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INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non precision approaches are 800-2 (NDB, VOR, LOC, TACAN, LDA, VORTAC, VOR/DME, ASR or WAAS LNAV); for precision approaches 600-2 (ILS or PAR). Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility or absence of weather reporting service. Civil pilots see FAR 91. IFR Alternate Airport Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Airport Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

ALLENTOWN, PA

LEHIGH VALLEY INTL ..... **ILS or LOC Rwy 13[1]**
VOR-A[2]

[1]ILS, Categories A,B,C, 700-2; Category D, 700-2¼. LOC, Category D, 800-2¼.
[2]NA when local weather not available.

ALTOONA, PA

ALTOONA-BLAIR COUNTY ..... **ILS or LOC Rwy 21[1]**
RNAV (GPS) Rwy 3[2]
RNAV (GPS) Y Rwy 21[3]
VOR-A[4]

[1]ILS, Category D, 1100-3. LOC, Category D, 1100-3.
[2]Categories A,B, 900-2; Category C 900-2½; Category D, 1200-3
[3]Category D, 1200-3.
[4]Categories A,B, 1000-2; Category C, 1000-2¾; Category D, 1200-3.

BECKLEY, WV

RALEIGH COUNTY MEMORIAL ..... **ILS or LOC Rwy 19[12]**
RNAV (GPS) Rwy 1[3]
RNAV (GPS) Rwy 10[13]
RNAV (GPS) Rwy 19[13]
RNAV (GPS) Rwy 28[14]
VOR Rwy 10[13]
VOR Rwy 19[13]

[1]NA when local weather not available.
[2]ILS, Categories A,B,C, 700-2; Category D, 700-2¼. LOC, Category D, 800-2¼.
[3]Category D, 800-2¼.
[4]Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

BLUEFIELD, WV

MERCER COUNTY . **VOR/DME or GPS Rwy 23**
VOR Rwy 23

NA when class E airspace not in effect.

NAME ALTERNATE MINIMUMS

BRADFORD, PA

BRADFORD RGNL ..... **VOR Rwy 14**

Category C, 800-2½; Category D, 800-2¾.

BUTLER, PA

BUTLER COUNTY/K.W. SCHOLTER FIELD ..... **ILS or LOC Rwy 8**
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 26

NA when local weather not available.

CHARLESTON, WV

YEAGER ..... **ILS or LOC Rwy 5[1]**
ILS or LOC Rwy 23[2]
VOR/DME RNAV or GPS Rwy 33[3]
VOR or GPS-A[3]

[1]ILS, Categories A,B,C, 700-2.
[2]ILS, Categories A,B,C, 700-2; Category D, 700-2¼. LOC, Category D, 800-2¼.
[3]Category D, 800-2¼.

CLARKSBURG, WV

NORTH CENTRAL WEST VIRGINIA ..... **ILS or LOC Rwy 21[12]**
RNAV (GPS) Rwy 3[35]
RNAV (GPS) Rwy 21[35]
VOR or GPS Rwy 3[45]

[1]NA when control tower closed.
[2]ILS,Categories A,B,C, 800-2; Category D, 900-2¾. LOC, Category D, 900-2¾.
[3]NA when local weather not available.
[4]NA when control tower is closed, except for operators with approved weather reporting service.
[5]Category D, 900-2¾.

COATESVILLE, PA

CHESTER COUNTY G O CARLSON ..... **ILS or LOC Rwy 29**
RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 29

NA when local weather not available.

NAME ALTERNATE MINIMUMS

DOYLESTOWN, PA

DOYLESTOWN ..... **VOR Rwy 23**
Na when local weather not available.

DUBOIS, PA

DUBOIS RGNL ..... **ILS or LOC Rwy 25**
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25
NA when local weather not available.

ELKINS, WV

ELKINS-RANDOLPH COUNTY JENNINGS-RANDOLPH FIELD ..... **LDA-C**
Categories A,B, 1200-2; Category C, 1400-3; Category D, 1500-3.

ERIE, PA

ERIE INTL/TOM RIDGE FIELD ..... **ILS or LOC Rwy 6[12]**
ILS or LOC/DME Rwy 24[12]
NDB Rwy 6[2]
NDB Rwy 24[2]
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24
VOR Rwy 6
VOR/DME Rwy 24
NA when local weather not available.
[1]ILS, 700-2.
[2]NA when control tower closed.

FRANKLIN, PA

VENANGO RGNL ..... **ILS or LOC Rwy 21**
RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21
VOR Rwy 3
VOR Rwy 21
NA when local weather not available.

NAME ALTERNATE MINIMUMS

HARRISBURG, PA

CAPITAL CITY ..... **ILS or LOC Rwy 8[12]**
RNAV (GPS) Rwy 8[12]
RNAV (GPS) Rwy 26[34]
[1]Categories A, 1000-2; Category B, 1400-2; Categories C,D, 1400-3.
[2]NA when control tower closed.
[3]NA when local weather not available.
[4]Category A, 1200-2, Category B, 1400-2; Categories C, D, 1400-3.

HARRISBURG INTL ..... **ILS or LOC Rwy 13[1]**
ILS or LOC Rwy 31[2]
RNAV (GPS) Rwy 13[3]
RNAV (GPS) Rwy 31[4]
VOR Rwy 31[3]
[1]Categories C,D, 700-2.
[2]ILS, 700-2.
[3]Categories A,B, 900-2; Category C, 900-2½; Category D, 900-2¾.
[4]Category C, 800-2¼; Category D, 800-2½.

HAZLETON, PA

HAZLETON MUNI ..... **RNAV (GPS) Rwy 10**
Category D, 900-2¾.
NA when local weather not available.

JOHNSTOWN, PA

JOHN MURTHA JOHNSTOWN-CAMBRIA COUNTY ..... **ILS or LOC Rwy 33[1]**
VOR Rwy 5[2]
VOR Rwy 15[3]
[1]ILS, Categories A,B,C, 800-2; Category D, 800-2¼. ILS, LOC, NA when control tower closed.
[2]NA when local weather not available.
[3]Categories A,B, 900-2; Category C, 900-2½; Category D, 900-2¾.

LANCASTER, PA

LANCASTER ..... **ILS or LOC Rwy 8[123]**
RNAV (GPS) Rwy 8[4]
RNAV (GPS) Rwy 26[24]
VOR/DME Rwy 31[24]
VOR/DME Rwy 8[4]
VOR/DME Rwy 26[24]
VOR Rwy 8[5]
VOR Rwy 31[4]
[1]NA when control tower closed.
[2]NA when local weather not available.
[3]ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.
[4]Category D, 800-2¼.
[5]Categories A,B, 1000-2; Categories C,D, 1000-3.

NAME ALTERNATE MINIMUMS

LATROBE, PA

ARNOLD PALMER RGNL ..... **ILS or LOC Rwy 23[123]**
RNAV (GPS) Rwy 5[2]
RNAV (GPS) Rwy 23[2]
NDB Rwy 23[14]

[1]NA when control tower closed.
[2]NA when local weather not available.
[3]ILS,LOC, Categories A,B, 1200-2; Categories C,D, 1200-3.
[4]Categories A,B, 1100-2; Categories C,D, 1100-3.

LEWISBURG, WV

GREENBRIER VALLEY ..... **ILS or LOC Rwy 4**
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
VOR Rwy 4
VOR Rwy 22

NA when local weather not available.
Category C, 800-2¼; Category D, 1000-3.

MARTINSBURG, WV

EASTERN WEST VIRGINIA RGNL/ SHEPHERD FIELD ..... **ILS or LOC Rwy 26**
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 26
VOR-A

NA when local weather not available.
Category E, 1600-3.

MORGANTOWN, WV

MORGANTOWN MUNI-WALTER L. BILL HART FIELD ..... **ILS or LOC Rwy 18[123]**
RNAV (GPS) Y Rwy 18[13]
RNAV (GPS) Z Rwy 18[34]
RNAV (GPS) Rwy 36[13]
VOR-A[35]

[1]Category D, 900-2¾.
[2]NA when control tower closed.
[3]NA when local weather not available.
[4]Category C, 800-2¼; Category D, 900-2¾.
[5]Categories A,B, 1500-2; Categories C,D, 1500-3.

MOUNT POCONO, PA

POCONO MOUNTAINS MUNI ..... **RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

NA when local weather not available.

NAME ALTERNATE MINIMUMS

MUIR AAF (KMUI)

FORT INDIANTOWN GAP, PA ..... **NDB-A**
RNAV (GPS) -B
COPTER NDB Y-289
COPTER NDB Z-289
COPTER RNAV (GPS) Rwy 25

NA when control tower closed.

PARKERSBURG, WV

MID-OHIO VALLEY AIRPORT ..... **ILS or LOC Rwy 3[12]**
RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21
VOR Rwy 21

NA when local weather not available.
[1]NA when control tower is closed.
[2]Category D, 700-2.

PHILADELPHIA, PA

NORTHEAST PHILADELPHIA ..... **ILS or LOC Rwy 24[12]**
LOC BC Rwy 6[12]
RNAV (GPS) Rwy 6[2]
RNAV (GPS) Rwy 15[2]
RNAV (GPS) Rwy 24[2]
RNAV (GPS) Rwy 33[2]
VOR Rwy 6[12]
VOR Rwy 24[12]

[1]NA when control tower closed.
[2]NA when local weather not available.

PHILADELPHIA INTL ..... **ILS PRM Rwy 26[1]**
ILS PRM Rwy 27L[2]
ILS or LOC Rwy 9L[3]
ILS Rwy 9R[4]
ILS or LOC Rwy 17[3]
ILS Rwy 26[5]
ILS or LOC Rwy 27L[6]
ILS or LOC/DME Rwy 27R[7]
RNAV (GPS) Rwy 27R[8]

[1]ILS, Categories A, B, C, 700-2. LOC, NA.
[2]ILS, 700-2. LOC, NA.
[3]ILS, Categories A, B, 800-2; Category C, 800-2¼; Category D, 800-2½. LOC, Category C, 800-2¼; Category D, 800-2½.
[4]ILS, Categories A, B, C, 800-2; Category D, 800-2¼. LOC, Category D, 800-2¼.
[5]ILS, Categories A, B, C, 700-2.
[6]ILS, 700-2.
[7]ILS, Categories B, C, D, 700-2.
[8]Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

PITTSBURGH, PA

ALLEGHENY COUNTY ..... **VOR-A**
NA when local weather not available.

PITTSBURGH INTL ..... **ILS Rwy 10L[1]**
ILS or LOC Rwy 28L[1]
ILS or LOC Rwy 28R[1]
RNAV (RNP) Z Rwy 10R[2]
[1]ILS, Category E, 700-2¼. LOC, Category E, 800-2¼.
[2]Categories A, B, C, D, 800-2¼.

QUAKERTOWN, PA

QUAKERTOWN ..... **NDB Rwy 29**
RNAV (GPS) Rwy 29
NA when local weather not available.

READING, PA

READING RGNL/CARL A.
SPAATZ FIELD ..... **ILS or LOC Rwy 13[13]**
ILS or LOC Rwy 36[13]
NDB Rwy 36[23]
RNAV (GPS) Rwy 13[2]
RNAV (GPS) Rwy 18[2]
RNAV (GPS) Rwy 36[2]
NA when local weather not available.
[1]ILS, Categories A,B,C, 700-2; Category D, 800-2½. LOC, Category D, 800-2½.
[2]Category D, 800-2½.
[3]NA when control tower closed.

STATE COLLEGE, PA

UNIVERSITY PARK ..... **ILS or LOC Rwy 24**
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24
VOR-B[1]
NA when local weather not available.
[1]Categories A, B, 1500-2; Categories C, D, 1500-3.

SUTTON, WV

BRAXTON COUNTY ..... **RNAV (GPS) Rwy 1[1]**
RNAV (GPS) Rwy 19[2]
NA when local weather not available.
[1]Categories A,B, 1000-2;Category C, 1000-2¾.
[2]Category B, 900-2; Category C 1000-2¾.

NAME ALTERNATE MINIMUMS

WASHINGTON, PA

WASHINGTON COUNTY .. **RNAV (GPS) Rwy 9[1]**
RNAV (GPS) Rwy 27[2]
VOR-B[1]
NA when local weather not available.
[1]Category D, 900-2¾.
[2]Category C, 800-2¼, Category D, 900-2¾.

WHEELING, WV

WHEELING OHIO
COUNTY ..... **ILS or LOC Rwy 3[1]**
RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 21
RNAV (GPS) Rwy 34
VOR Rwy 21
Category D, 800-2¼.
NA when local weather not available.
[1]NA when control tower closed.

WILKES-BARRE-SCRANTON, PA

WILKES-BARRE-SCRANTON
INTL ..... **ILS or LOC/DME Rwy 4[1]**
ILS or LOC/DME Rwy 22[1]
NDB or GPS-A[2]
RNAV (GPS) Rwy 4[1]
RNAV (GPS) Rwy 22[1]
[1]Category A, 900-2; Category B, 1000-2; Category C, 1000-3; Category D, 1300-3.
[2]Categories A,B, 1100-2; Category C, 1100-3; Category D, 1400-3.

WILLIAMSPORT, PA

WILLIAMSPORT RGNL ..... **ILS Rwy 27**
Categories A,B, 1400-2; Categories C,D, 1400-3.

YORK, PA

YORK ..... **RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.
Category C, 800-2¼; Category D, 800-2½.

ZELIENOPLE, PA

ZELIENOPLE MUNI ..... **RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.

HUNTINGTON, WV

Amdt. 6, DEC 20, 2007 (FAA) ELEV **828**

TRI STATE/MILTON J. FERGUSON FIELD

RADAR-1 119.75 270.1

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	21		AB	**1260**-1	432	(500-1)	C	**1260**-1¼	432	(500-1¼)
			D	**1260**-1½	432	(500-1½)				
	3		AB	**1240**-1	412	(500-1)	CD	**1240**-1¼	412	(500-1¼)
	12		AB	**1340**/24	512	(600-½)	C	**1340**/50	512	(600-1)
			D	**1340**/60	512	(600-1¼)				
	30		AB	**1300**-1	472	(500-1)	C	**1300**-1¼	472	(500-1¼)
			D	**1300**-1½	472	(500-1½)				
CIR			AB	**1340**-1	512	(600-1)	C	**1340**-1½	512	(600-1½)
			D	**1420**-2	592	(600-2)				

When VGSI inop, straight-in/circling Rwy 3 NA at night.

WILLOW GROVE NAS JRB (KNXX), PA (09183 USN)

ELEV **358**

RADAR[9]- (E) 128.675 134.875 266.8x 299.6x 314.8x 325.2x

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
PAR	15[17]	3.25°/60/893	ABCDE	**524**-½	200	(200-½)
	33[2]	3.0°/45/919	AB	**558**-½	200	(200-½)
			CDE	**558**-¾	200	(200-¾)
PAR W/O GS	15[38]		ABCD	**720**-¾	396	(400-¾)
			E	**720**-1	396	(400-1)
	33[4]		ABCDE	**640**-1	282	(300-1)
ASR	33[5]		ABC	**720**-¾	362	(400-¾)
			DE	**720**-1	362	(400-1)
	15[68]		ABC	**800**-¾	476	(500-¾)
			D	**800**-1	476	(500-1)
			E	**800**-1¼	476	(500-1¼)
CIR ASR	All Rwy		A	**800**-1	442	(500-1)
			B	**960**-1	602	(700-1)
			C	**960**-1¾	602	(700-1¾)
			D	**960**-2	602	(700-2)
			E	**960**-2¼	602	(700-2¼)
CIR PAR W/O GS	All Rwy		A	**800**-1¼	442	(500-1¼)
			B	**960**-1¼	602	(700-1¼)
			C	**960**-1¾	602	(700-1¾)
			D	**960**-2	602	(700-2)
			E	**960**-2¼	602	(700-2¼)

[1]When ALS inop, increase vis CAT ABCDE to ¾ mile. [2]When ALS inop, increase vis CAT AB to ¾ mile. [3]When ALS inop, increase vis CAT ABCD to 1¼ miles, CAT E to 1½ miles. [4]When ALS inop, increase vis CAT ABCDE to 1¼ miles. [5]When ALS inop, increase vis CAT ABC to 1 mile, CAT DE to 1¼ miles. [6]When ALS inop, increase vis CAT AB to 1 mile, CAT C to 1¼ miles, CAT D to 1½ miles, CAT E to 1¾ miles. [7]GS exceeds DoD std. [8]34:1 visual area penetrated. [9]No-NOTAM preventive maint Mon 1300-2100Z++. Wx rqr ceiling-vis 3000-5.

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude , and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

NAME TAKE-OFF MINIMUMS

ALLENTOWN, PA

ALLENTOWN QUEEN CITY MUNI

TAKE-OFF MINIMUMS: **Rwy 7**, 800-2 or std. with a min. climb of 280' per NM to 1600. **Rwy 15**, not authorized.

DEPARTURE PROCEDURE: **Rwy 7**, climb runway heading to 2200 before proceeding on course. **Rwy 25,** climbing right turn to assigned altitude direct ETX VOR/DME. **Rwy 33,** climbing left turn to assigned altitude direct ETX VOR/DME.

LEHIGH VALLEY INTL

TAKE-OFF MINIMUMS: **Rwy 13,** 800-1 or std. with a min. climb of 270' per NM to 1600'.

DEPARTURE PROCEDURE: **Rwy 13**, climb runway heading to 1600 before proceeding on course. **Rwy 24,** climb runway heading to 1600 before proceeding southbound on course.

NAME TAKE-OFF MINIMUMS

ALTOONA, PA

ALTOONA-BLAIR COUNTY

TAKE-OFF MINIMUMS: **Rwy 3**, 300-1 or std. with a min. climb of 260' per NM to 1700. **Rwy 12**, NA-Obstacles. **Rwy 21,** std. with a min. climb of 350' per NM to 3200 or 1400-3 for climb in visual conditions. **Rwy 30,** std. with a min. climb of 225' per NM to 3800 or 1400-3 for climb in visual conditions. NOTE: Climb in visual conditions not authorized at night.

DEPARTURE PROCEDURE: **Rwy 3**, climb direct AOO VOR, then via AOO R-026 to 2800' before proceeding on course. **Rwy 21**, climb via heading 203° and AOO R-206 to 3200 before proceeding on course. For climb in visual conditions, cross Altoona-Blair County Airport at or above 2900 before proceeding on course. **Rwy 30**, climb via heading 295° to 3800 before proceeding on course. For climb in visual conditions, cross Altoona-Blair County Airport at or above 2900 before proceeding on course.

NOTE: **Rwy 3,** numerous trees 1537' from departure end of runway, 904' left of centerline, 100' AGL/1554' MSL. Numerous trees 5759' from departure end of runway, 1600' right of centerline, 100' AGL/1642' MSL. **Rwy 21,** multiple trees 2541' from departure end of runway, 369' left of centerline, 100' AGL/1583' MSL. Multiple trees 1080' from departure end of runway, 511' right of centerline, 100' AGL/1550' MSL.

BEAVER FALLS, PA
BEAVER COUNTY
TAKE-OFF MINIMUMS: **Rwys 10, 28**, 300-1.

BECKLEY, WV
RALEIGH COUNTY MEMORIAL
TAKE-OFF MINIMUMS: **Rwy 10,** 400-1or std. with a min. climb of 350' per NM to 4000. **Rwy 19,** 400-1 or std. with a min. climb of 250' per NM to 4000. **Rwy 28,** 300-1 or std. with a min. climb of 250'per NM to 4000.
DEPARTURE PROCEDURE: **Rwy 1**, climb to 5000 via 350° heading before proceeding on course. **Rwy 10,** immediate climbing left turn to 5000 via 350° heading before proceeding on course. **Rwy 19**, climb to 4000 via 240° heading then climbing right turn to 5000 via 330° before proceeding on course. **Rwy 28,** climbing right turn to 5000 via 320° heading before proceeding on course.
NOTE: **Rwy 10,** 90' AGL trees 1350' from departure end of runway, on runway centerline. 312' AGL trees and terrain 5595' from departure end of runway, 1805' right of runway centerline. **Rwy 19,** 60' AGL obstacle light on vortac building 550' from departure end of runway, 749' left of runway centerline. **Rwy 28,** 215' AGL tower 6406' from departure end of runway, 2123' left of centerline.

BEDFORD, PA
BEDFORD COUNTY
TAKE-OFF MINIMUMS: **Rwy 14,** 1500-3 or std. with a min. climb gradient of 530' per NM to 2100. **Rwy 32,** 1500-3 or std. with a min. climb gradient of 300' per NM to 1600.
DEPARTURE PROCEDURE: **Rwy 14,** climb to 4000 before turning on course. **Rwy 32,** climb to 4100 before turning on course.

BELLEFONTE, PA
BELLEFONTE
TAKE-OFF MINIMUMS: **Rwys 7, 25** 1000-2.
DEPARTURE PROCEDURE: **Rwy 7**, climb to 2600 on heading 075° before proceeding on course.
Rwy 25, climb to 2600 on heading 235° before proceeding on course.

BERKELEY SPRINGS, WV
POTOMAC AIRPARK
TAKE-OFF MINIMUMS: **Rwys 11,29,** 1900-2 or std. with a min. climb of 400' per NM to 2600.
DEPARTURE PROCEDURE: **Rwy 11,** climb to 4000 via heading 095° and HGR R-275 to HGR VOR before proceeding on course. **Rwy 29,** climb to 1500 then climbing left turn to 5000 via heading 267° and GRV R-092 before proceeding on course.

BLOOMSBURG, PA
BLOOMSBURG MUNI
TAKE-OFF MINIMUMS: **Rwy 8,** 700-1. **Rwy 26,** 1100-1.
DEPARTURE PROCEDURE: **Rwys 8, 26**, climb runway heading to 1800, before proceeding on course.

BLUEFIELD, WV
MERCER COUNTY (BLF)
AMDT 4 09015 (FAA)
TAKE-OFF MINIMUMS: **Rwy 23**, 400-2¼ or std. with a min. climb of 238' per NM to 3300.
DEPARTURE PROCEDURE: **Rwy 5**, climb heading 049° to 3900 before turning south. **Rwy 23**, climbing right turn via BLF R-270 to 4500 before proceeding on course.
NOTE: **Rwy 5,** trees beginning 14' from departure end of runway, 370' left of centerline, up to 100' AGL/2939'MSL. Trees beginning 15' from departure end of runway, 391' right of centerline, up to 100' AGL/2959' MSL. **Rwy 23,** trees beginning at departure end of runway, 258' left of centerline, up to 100' AGL/2939' MSL. Trees beginning 140' from departure end of runway, 74' right of centerline, up to 100' AGL/3159' MSL.

BRADFORD, PA
BRADFORD RGNL
NOTE: **Rwy 5,** fence 448' from departure end of runway, 305' left of centerline, 19' AGL/2158' MSL. Fence 462' from departure end of runway, 299' right of centerline, 19' AGL/2158' MSL. Trees beginning 234' from departure end of runway, 70' left of centerline, up to 75' AGL/2242' MSL. Trees beginning 67' from departure end of runway, 227' right of centerline, up to 87' AGL/2226' MSL. **Rwy 14,** trees beginning 26' from departure end of runway, 263' left of centerline, up to 16' AGL/2115' MSL. Tree 2427' from departure end of runway, 918' right of centerline, 79' AGL/2198' MSL. **Rwy 23,** trees beginning 53' from departure end of runway, 145' left of centerline, up to 82' AGL/2240' MSL. Trees beginning 272' from departure end of runway, 220' right of centerline, up to 86' AGL/2225' MSL. **Rwy 32,** trees beginning 1018' from departure end of runway, 399' left of centerline, up to 102' AGL/2169' MSL. Trees beginning 138' from departure end of runway, 292' right of centerline, up to 86' AGL/2205' MSL.

BUCKHANNON, WV
UPSHUR COUNTY RGNL
TAKE-OFF MINIMUMS: **Rwy 29,** 400-1¼ or std. with a min. climb of 420' per NM to 2100.
DEPARTURE PROCEDURE: **Rwy 11,** climb via heading 105° to 2300 before proceeding on course.
NOTE: **Rwy 11,** trees 798' from departure end of runway, 179' right of centerline, 100' AGL/1679' MSL. Trees 2665' from departure end of runway, 842' left of centerline, 100' AGL/1719' MSL. Trees 4799' from departure end of runway, 1724' right of centerline, 100' AGL/1779' MSL. **Rwy 29,** trees 1 NM from departure end of runway, 565' right of centerline, 100' AGL/1959' MSL.

BUTLER, PA
BUTLER COUNTY/K.W. SCHOLTER FIELD
TAKE-OFF MINIMUMS: **Rwys 8, 26,** 300-1.

CARLISLE, PA
CARLISLE
TAKE-OFF MINIMUMS: **Rwy 10**, 300-1.
DEPARTURE PROCEDURE: **Rwys 10, 28**, climb straight ahead to 1000' before turning on course.

CHAMBERSBURG, PA

FRANKLIN COUNTY RGNL

TAKE-OFF MINIMUMS: **Rwy 24,** 700-1 or std. with a min. climb of 220' per NM to 1400.

DEPARTURE PROCEDURE: **Rwys 6, 24,** climbing left turn to 4000 outbound via HGR VOR R-037 before proceeding on course.

CHARLESTON, WV

YEAGER (CRW)

AMDT 7 08045 (FAA)

TAKE-OFF MINIMUMS: **Rwy 5**, 300-2½ or std. w/ min. climb of 228' per NM to 1400. **Rwy 15,** std. w/ min. climb of 443' per NM to 1400 or 1000-2½ for climb in visual conditions. **Rwy 23,** 200-1 or std. w/ min. climb of 399' per NM to 1300. **Rwy 33,** 300-1¾ or std. w/ min. climb of 381' per NM to 1400.

DEPARTURE PROCEDURE: **Rwy 15,** for climb in visual conditions: cross Yeager Airport at or above 1800' MSL before proceeding on course. **Rwy 23,** climb heading 233° to 1400 before turning left.

NOTE: **Rwy 5,** multiple trees beginning 51' from departure end of runway, 59' left of centerline, up to 43' AGL/922' MSL. Multiple trees beginning 58' from departure end of runway, 251' right of centerline, up to 103' AGL/1062' MSL. Trees 1.9 NM from departure end of runway, 1203' left of centerline, 58' AGL/1217' MSL. Tower 2 NM from departure end of runway, 2761' left of centerline, 184' AGL/1235' MSL. **Rwy 15,** Bush and multiple trees beginning 44' from departure end of runway, 207' left of centerline, up to 93' AGL/1132' MSL. **Rwy 23,** Obstruction light on pole 4072' from departure end of runway, 875' left of centerline, 30' AGL/1150' MSL. **Rwy 33,** multiple trees beginning 44' from departure end of runway, 235' left of centerline, up to 92' AGL/951' MSL. Multiple trees beginning 25' from departure end of runway, 120'right of centerline, up to 37' AGL/1016' MSL. Dome 1.1 NM from departure end of runway, 570' right of centerline, 91' AGL/1266' MSL. Trees 1.4 NM from departure end of runway, 1212' right of centerline, 81' AGL/1280' MSL.

CLARION, PA

CLARION COUNTY

TAKE-OFF MINIMUMS: **Rwy 24,** 200-1½ or std. w/ min. climb of 211' per NM to 1700.

NOTE: **Rwy 6,** multiple trees beginning 697' from departure end of runway, 311' left of centerline, up to 100' AGL/1519' MSL. Multiple trees beginning 1006' from departure end of runway, 47' right of centerline, up to 100' AGL/1529' MSL. Building 2942' from departure end of runway, 964' right of centerline, 60' AGL/1539' MSL. **Rwy 24,** multiple trees beginning 792' from departure end of runway, 27' left of centerline, up to 100' AGL/1539' MSL. Multiple trees beginning 806' from departure end of runway, 147' right of centerline, up to 100' AGL/1539' MSL. Tree 1.1 NM from departure end of runway, 2010' right of centerline, 100' AGL/1619' MSL.

CLARKSBURG, WV

NORTH CENTRAL WEST VIRGINIA (CKB)

AMDT 5 09295 (FAA)

TAKE-OFF MINIMUMS: **Rwy 3,** 300-2 or std. w/ a min. climb of 416' per NM to 1600. **Rwy 21,** 400-2½ or std. w/ min. climb of 467' per NM to 1600.

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 031° to 2000 before proceeding on course. **Rwy 21,** climb heading 211° to 1800 before proceeding on course.

NOTE: **Rwy 3,** fence 3675' from DER, 754' right of centerline, 10' AGL/1316' MSL. Terrain and trees beginning 3728' from DER, 716' right of centerline, up to 97' AGL/1436' MSL. Trees beginning 5700' from DER, 1450' left of centerline, up to 101' AGL/1440' MSL. Terrain and trees beginning 6774' from DER, 1612' right of centerline, up to 99' AGL/1458' MSL. Terrain and trees beginning 7093' from DER, left and right of centerline, up to 62' AGL/1441' MSL. Fence 7738' from DER, 58' left of centerline, 10' AGL/1419' MSL. **Rwy 21,** trees 4514' from DER, 1113' right of centerline, 100' AGL/1449' MSL. Trees beginning 6' from DER, 307' right of centerline, up to 100' AGL/1279' MSL. Bushes and trees beginning 11' from DER, 258' left of centerline, up to 77' AGL/1226' MSL. Trees beginning 3199' from DER, 657' right of centerline, up to 100' AGL/1499' MSL. Trees beginning 5512' from DER, 576' left of centerline, up to 93' AGL/1512' MSL. Trees beginning 2.1 miles from DER, 2069' right of centerline, up to 117' AGL/1496' MSL.

CLEARFIELD, PA

CLEARFIELD-LAWRENCE

TAKE-OFF MINIMUMS: **Rwy 12,** 600-2 or std. with a min climb of 240' per NM to 2200'. **Rwy 30,** 1500-3 or std. with a min. climb of 340' per NM to 3300.

NOTE: **Rwy 12,** cross departure end of runway at or above 35' AGL/1548' MSL. **Rwy 30,** cross departure end of runway at or above 35' AGL/1550' MSL.

COATESVILLE, PA

CHESTER COUNTY G. O. CARLSON (MQS)

ORIG 08213 (FAA)

NOTE: **Rwy 11,** tree 342' from departure end of runway, 592' right of centerline, 90' AGL/680' MSL. Trees beginning 1135' from departure end of runway, 549' left of centerline, up to 87' AGL/696' MSL. **Rwy 29,** tree 281' from departure end of runway, 325' left of centerline, 7' AGL/646' MSL. Obstruction light on poles beginning 418' from departure end of runway, 308' right of centerline, up to 40' AGL/690' MSL. Antenna on buildings beginning 506' from departure end of runway, 208' right of centerline, up to 23' AGL/692' MSL. Trees beginning 1048' from departure end of runway, 277' right of centerline, up to 62' AGL/731' MSL. Multiple poles beginning 1723' from departure end of runway, 238' right of centerline, up to 34' AGL/703' MSL.

COLLEGEVILLE, PA
PERKIOMEN VALLEY (N10)
ORIG 07354 (FAA)
NOTE: **Rwy 9,** multiple trees beginning 386' from departure end of runway, 91' right of centerline, up to 100' AGL/369' MSL. Multiple trees beginning 923' from departure end of runway, 342' left of centerline, up to 100' AGL/369' MSL. Powerlines 4412' from departure end of runway, 98' left of centerline, up to 150'AGL/400' MSL. **Rwy 27,** multiple trees beginning 104' from departure end of runway, 45' right of centerline, up to 100' AGL/ 329' MSL. Multiple trees beginning 212' from departure end of runway, 42' left of centerline, up to 100' AGL/317' MSL.

CONNELLSVILLE, PA
JOSEPH A. HARDY CONNELLSVILLE
TAKE-OFF MINIMUMS: **Rwy 14,** 1100-2. Night NA.
DEPARTURE PROCEDURE: **Rwys 5,23,32**, climb runway heading to 3000 before proceeding on course. **Rwy 14**, climbing left turn as soon as practicable after take-off to 4000 via IHD R-273 before proceeding on course.

CORRY, PA
CORRY-LAWRENCE (8G2)
ORIG 09127 (FAA)
NOTE: **Rwy 14,** trees 359' from DER, 294' right of centerline, 100' AGL/1859' MSL. Barn 1162' from DER, 503' left of centerline, 50' AGL/1809' MSL. **Rwy 32,** trees 210' from DER, 288' left of centerline, 100' AGL/1789' MSL. Trees 219' from DER, 253' right of centerline, 100' AGL/1799' MSL. Building 326' from DER, 65' right of centerline, 50' AGL/1749' MSL.

DOYLESTOWN, PA
DOYLESTOWN
NOTE: **Rwy 5,** terrain and trees 246' from departure end of runway, 457' right of centerline, 60' AGL/460' MSL. **Rwy 23,** terrain and tree 1498' from departure end of runway, 764' left of centerline, 100' AGL/460' MSL; terrain and trees 2701' from departure end of runway, 44' left of centerline, 100' AGL/480' MSL.

DUBOIS, PA
DUBOIS RGNL (DUJ)
AMDT 1 08101 (FAA)
NOTE: **Rwy 7,** wind sock 31' from departure end of runway, 452' left of centerline, 29' AGL/1833' MSL. Tree 1608' from departure end of runway, 700' right of centerline, up to 100' AGL/1859' MSL. **Rwy 25,** antenna and trees 170' from departure end of runway, 261' left of centerline, up to 75' AGL/1855' MSL. Trees 283' from departure end of runway, 419' right of centerline, up to 69' AGL/1849' MSL.

EAST STROUDSBURG, PA
STROUDSBOURG-POCONO
TAKE-OFF MINIMUMS: **Rwys 8, 26**, 700-1.
DEPARTURE PROCEDURE: **Rwys 8, 26**, climb visually to 1180 within 2 miles of airport before proceeding as cleared.

EASTON, PA
BRADEN AIRPARK
TAKE-OFF MINIMUMS: **Rwy 18**, 600-1. **Rwy 36**, 400-1.
DEPARTURE PROCEDURE: IFR Departure authorized **Rwys 18,36** only.

EBENSBURG, PA
EBENSBURG (9G8)
AMDT 2 09127 (FAA)
TAKE-OFF MINIMUMS: **Rwy 7**, 300-1½ or std. w/ min. climb of 350' per NM to 2500.
NOTE: **Rwy 25,** numerous trees beginning 632' from DER, 245' left of centerline, up to 100' AGL/2179' MSL. Numerous trees beginning 759' from DER, 477' right of centerline, up to 100' AGL/2159' MSL. **Rwy 7,** numerous trees beginning 245' from DER, 476' right of centerline, up to 100' AGL/2279' MSL. Numerous trees beginning 696' from DER, 273' left of centerline, up to 100' AGL/ 2389' MSL. Stack 1.1 NM from DER, 1571' right of centerline, 192' AGL/2352' MSL. Tower 1.17 NM from DER, 1529' right of centerline, 198' AGL/2348' MSL. Vehicle on highway, 487' from DER, 180' right of centerline, 19' AGL/2138' MSL.

ELKINS, WV
ELKINS-RANDOLPH COUNTY-JENNINGS RANDOLPH FIELD
TAKE-OFF MINIMUMS: **Rwys 5, 14, 32**, NA-obstacles. **Rwy 23**, 1800-2 or std. with a min. climb of 360' per NM to 4300.
DEPARTURE PROCEDURE: **Rwy 23,** climb via heading 200° to 5000 then climbing right turn to 6000 direct to EKN VORTAC then EKN R-346, expect radar vectors.
NOTE: **Rwy 23,** OL and trees 788' from departure end of runway, 206' left of centerline, 85' AGL/2059' MSL. Trees 10,130' from departure end of runway, 700' left of centerline, 105' AGL/2331' MSL.

ERIE, PA
ERIE INTL/TOM RIDGE FIELD (ERI)
AMDT 5 09183 (FAA)
TAKE-OFF MINIMUMS: **Rwy 20,** 300-1¾ or std. w/ min. climb of 314' per NM to 1100.
DEPARTURE PROCEDURE: **Rwy 2,** climb heading 018° to 1300 before turning right. **Rwy 6,** climb heading 062° to 1900 before turning right. **Rwy 20**, climb heading 198° to 1700 before turning left. **Rwy 24,** climb heading 242° to 1400 before turning left.
NOTE: **Rwy 2,** vehicles on road and trees beginning 30' from DER, 80' left of centerline, up to 64' AGL/796' MSL. Fence and trees beginning 73' from DER, 10' right of centerline, up to 76' AGL/805' MSL. **Rwy 6,** vehicles on road and trees beginning 384' from DER, 291' left of centerline, up to 96' AGL/815' MSL. Vehicles on road, fence, and trees beginning 8' from DER, 366' right of centerline, up to 91' AGL/820' MSL. **Rwy 20,** railroad, building, poles and trees beginning 115' from DER, 2' left of centerline, up to 76' AGL/845' MSL. Trees beginning 378' from DER, 19' right of centerline, up to 80' AGL/859' MSL. Trees 1.0 NM from DER, 704' right of centerline, 133' AGL/982' MSL. **Rwy 24,** railroad, pole, and trees beginning 11' from DER, 325' left of centerline, up to 80' AGL/819' MSL. Rod on building, antenna, and trees beginning 151' from DER, 250' right of centerline, up to 87'AGL/826' MSL.

FACTORYVILLE, PA

SEAMANS FIELD (9N3)
AMDT 3 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4**, 400-2½ or std. w/ min. climb of 221' per NM to 1700.

DEPARTURE PROCEDURE: **Rwy 4**, climb heading 036° to 1700 before proceeding on course. **Rwy 22,** climb heading 216° to 2900 before proceeding on course.

NOTE: **Rwy 4,** trees beginning 1134' from departure end of runway, 720' right of centerline, up to 65' AGL/1264' MSL. Trees beginning 1.82 NM from departure end of runway, 774' left of centerline, up to 100' AGL/1499' MSL.

FAIRMONT, WV

FAIRMONT MUNI-FRANKMAN FIELD

TAKE-OFF MINIMUMS: **Rwy 5**, 500-2 or 300-1 w/ min. climb of 375' per NM to 1800. **Rwy 23,** 500-3 w/ min. climb of 265' per NM to 1700 or 1200-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 5,** climb heading 045° to 1800 before proceeding on course. **Rwy 23,** climb heading 225° to 1700 before proceeding on course or for climb in visual conditions: Cross Fairmont Muni-Frankman Field Airport at or above 2200 MSL before proceeding on course.

NOTE: **Rwy 5,** tree 1739' from departure end of runway, 832' right of centerline, 99' AGL/1166' MSL. Multiple trees and towers beginning 27' from departure end of runway, 99' right of centerline, up to 217' AGL/1475' MSL. Trees 1282' from departure end of runway, 620' left of centerline, 78' AGL/1057' MSL. **Rwy 23,** multiple trees beginning 692' from departure end of runway, 100' right of centerline, up to 100' AGL/1499' MSL. Road, multiple trees and AAO beginning 880' from departure end of runway, 704' left of centerline, up to 200' AGL/1439' MSL.

FRANKLIN, PA

VENANGO RGNL

DEPARTURE PROCEDURE: **Rwy 3,** climb via heading 027° to 2000 before proceeding on course. **Rwy 12**, climb via heading 116° to 2000 before proceeding on course. **Rwy 21**, climb via heading 207° to 2000 before proceeding on course. **Rwy 30**, climb via heading 296° to 2000 before proceeding on course.

NOTES: **Rwy 3**, tree 638' from departure end of runway, 528' right of centerline, 34' AGL/1553' MSL. Tree 2547' from departure end of runway, 697' right of centerline, 78' AGL/1597' MSL. **Rwy 12**, tank 1027' from departure end of runway, 660' left of centerline, 92' AGL/1612' MSL. Tree 1123' from departure end of runway, 504' left of centerline, 81' AGL/1600' MSL. Tree 800' from departure end of runway, 369' right of centerline, 71' AGL/1571' MSL. **Rwy 21**, multiple trees beginning 573' from departure end of runway, 191' to 679' right of centerline, up to 81' AGL/1599' MSL. Multiple trees beginning 264' from departure end of runway, 326' to 749' left of centerline, up to 68' AGL/1597 MSL. Sign 2474' from departure end of runway, 30' right of centerline, 94' AGL/1606' MSL. **Rwy 21**, pole 1295' from departure end of runway, 530' left of centerline, 47' AGL/1567' MSL.

GROVE CITY, PA

GROVE CITY (29D)
AMDT 3 08045 (FAA)

TAKE-OFF MINIMUMS: **Rwy 10,** 300-1½ or std. w/ min. climb of 265' per NM to 1600. **Rwy 28,** 300-1 or std. w/ min. climb of 416' per NM to 1600.

NOTES: **Rwy 10,** Multiple trees beginning 264' from departure end of runway, 43' left of centerline, up to 79' AGL/1388' MSL. Multiple buildings beginning 136' from departure end of runway, 490' right of centerline, up to 30' AGL/1332' MSL. Interchange 903' from departure end of runway, 707' right of centerline, up to 59' AGL/1348' MSL. Landfill 1.2 NM from departure end of runway, 702' right of centerline, 140' AGL/1476' MSL. **Rwy 28,** Multiple trees beginning 331' from departure end of runway, 71' right of centerline, up to 100' AGL/1509' MSL. Multiple trees beginning 666' from departure end of runway, 375' left of centerline, up to 100' AGL/1509' MSL. Multiple powerlines beginning 381' from departure end of runway, 2' left of centerline, up to 60' AGL/1469' MSL. Multiple powerlines beginning 1782' from departure end of runway, 48' right of centerline, up to 60' AGL/1449' MSL. .

HARRISBURG, PA

CAPITAL CITY

TAKE-OFF MINIMUMS: **Rwy 8,** 300-1 or std. with a min. climb of 275' per NM to 700. **Rwy 12,** 800-1 or std. with a min. climb of 380' per NM to 1400. **Rwy 26,** 400-1 or std. with a min. climb of 300' per NM to 800. **Rwy 30,** 300-1 or std. with a min. climb of 460' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 8,** climb via heading 082° to 1100 before proceeding on course. **Rwy 12,** climb via heading 128° to 1400 before proceeding on course. **Rwy 26,** climb via heading 262° to 1400 before proceeding on course. **Rwy 30,** climb via heading 308° to 1500 before proceeding on course.

NOTE: **Rwy 8,** tree 8315' from departure end of runway, 945' left of centerline, 90' AGL/598' MSL. Tree 8306' from departure end of runway, 946' left of centerline, 90' AGL/594' MSL. **Rwy 12,** flagpole 1559' from departure end of runway, 689' left of centerline, 72' AGL/452' MSL. Numerous trees 930' from departure end of runway, left and right of centerline, 90' AGL/435' MSL. **Rwy 26,** numerous trees 8230' from departure end of runway, left and right of centerline, 90' AGL/690' MSL. **Rwy 30,** tree 5546' from departure end of runway, on centerline, 90' AGL/580' MSL. Numerous trees 4005' from departure end of runway, left and right of centerline, 90' AGL/555' MSL. Tree 297' from departure end of runway, 540' left of centerline, 90' AGL/404' MSL. Tree 3136' from departure end of runway, 1283' left of centerline, 90' AGL/541' MSL.

HARRISBURG, PA (CON'T)

HARRISBURG INTL

TAKE-OFF MINIMUMS: **Rwy 13,** 300-2¼ or std. w/ min. climb of 230' per NM to 700, or alternatively, w/ standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 2200' prior to departure end of runway.

DEPARTURE PROCEDURE: **Rwy 13,** climb heading 128° to 1000 before proceeding on course. **Rwy 31,** climb heading 308° to 1500 before proceeding on course.

NOTE: **Rwy 13,** trees and antennas beginning 1468' from departure end of runway, 460' left of centerline, up to 160' AGL/598' MSL. Trees and buildings beginning 1.4 NM from departure end of runway, 157' right of centerline, up to 57' AGL/576' MSL. **Rwy 31,** antennas beginning 435' from departure end of runway, 247' right of centerline, up to 61' AGL/371' MSL. Trees and antennas beginning 56' from departure end of runway, left of centerline, up to 13' AGL/323' MSL.

HAZLETON, PA

HAZLETON MUNI

TAKE-OFF MINIMUMS: **Rwys 10,28**, 300-1.

DEPARTURE PROCEDURE: **Rwys 10, 28** climb runway heading 2200 before turning on course.

HONESDALE, PA

CHERRY RIDGE

TAKE-OFF MINIMUMS: **Rwy 36,** 500-2 or std. with a min. climb of 390' per NM to 1900.

NOTES: **Rwy 36,** terrain and trees 5673' from departure end of runway, 1967' left of centerline, 100' AGL/1619' MSL; terrain and trees 1.1 NM from departure end of runway, 2205' left of centerline, 100' AGL/1639' MSL; terrain and trees 1.9 NM from departure end of runway, 810' right of centerline, 100' AGL/1759' MSL.

HUNTINGTON, WV

TRI-STATE/MILTON J. FERGUSON FIELD (HTS)

ORIG 07354 (FAA)

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 024° to 1500 before turning right. **Rwy 30,** climb heading 313° to 1800 before turning left.

NOTE: **Rwy 3,** multiple trees beginning 245' from departure end of runway, 243' right of centerline, up to 49' AGL/848' MSL. Tree 374' from departure end of runway, 335' left of centerline, 68' AGL/847' MSL. Tree 1042' from departure end of runway, 501' right of centerline, 113' AGL/882' MSL. Tree 3964' from departure end of runway, 32' left of centerline, 68' AGL/967' MSL. **Rwy 12,** tree 70' from departure end of runway, 393' left of centerline, 29' AGL/848' MSL. **Rwy 21,** multiple trees beginning 24' from departure end of runway, 45' left of centerline up to 17' AGL/856' MSL. Tree 645' from departure end of runway, 308' right of centerline, 27' AGL/846' MSL. Tree 3591' from departure end of runway, 580' left of centerline 47' AGL/926' MSL. **Rwy 30,** multiple trees beginning 1595' from departure end of runway, 427' left of centerline, up to 79' AGL/878' MSL. Multiple trees beginning 2238' from departure end of runway, 805' right of centerline up to 54' AGL/913' MSL. Tree 3727' from departure end of runway, 243' left of centerline, 49' AGL/928' MSL.

INDIANA, PA

INDIANA COUNTY-JIMMY STEWART FIELD

TAKE-OFF MINIMUMS: **Rwy 10**, 600-1. **Rwy 28**, 300-1.

DEPARTURE PROCEDURE: **Rwy 10**, climb runway heading to 2300 before proceeding on course.

JOHNSTOWN, PA

JOHN MURTHA JOHNSTOWN-CAMBRIA CO (JST)

AMDT 4 08269 (FAA)

NOTE: **Rwy 5,** trees beginning 326' from departure end of runway, 342' right of centerline, up to 100' AGL/2358' MSL. Trees beginning 887' from departure end of runway, 384' left of centerline, up to 100' AGL/2341' MSL. **Rwy 23,** trees beginning 215' from departure end of runway, 227' right of centerline, up to 100' AGL/2339' MSL. Trees beginning 431' from departure end of runway, 250' left of centerline, up to 100' AGL/2379' MSL. **Rwy 33,** trees beginning 359' from departure end of runway, 318' right of centerline, up to 100' AGL/2409' MSL.

KUTZTOWN, PA

KUTZTOWN

TAKE-OFF MINIMUMS: **Rwys 10,28,** NA. **Rwy 35,** 300-1 or std. with a min. climb of 320' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 17,** climbing right turn direct ETX VOR/DME, cross at or above 3000.

LANCASTER, PA

LANCASTER

NOTES: **Rwy 8,** trees 1010' from departure end of runway, 666' left of centerline, 43' AGL/422' MSL. Bush 53' from departure end of runway, 311' right of centerline, 5' AGL/384' MSL. Road and vehicles 201' from departure end of runway, 289' left of centerline, 22' AGL/401' MSL. Antenna 356' from departure end of runway, 212' left of centerline, 8' AGL/387' MSL. **Rwy 13,** tree 884' from departure end of runway, 568' left of centerline, 43' AGL/442' MSL. **Rwy 26,** tree 1252' from departure end of runway, 802' right of centerline, 60' AGL/439' MSL. Road and vehicles 273' from departure end of runway, 499' right of centerline, 19' AGL/418' MSL. **Rwy 31,** tree 1716' from departure end of runway, 505' right of centerline, 65' AGL/464' MSL. Building 485' from departure end of runway, 176' left of centerline, 30' AGL/409' MSL. Tree 993' from departure end of runway, 176' left of centerline, 40' AGL/419' MSL.

LATROBE, PA

ARNOLD PALMER RGNL

TAKE-OFF MINIMUMS: **Rwys 21,23,** 300-1.

DEPARTURE PROCEDURE: **Rwys 3,5**, climb runway heading to 2000, then climbing left turn to 4000 via heading 360° to intercept IHD R-002. **Rwys 21,23**, climb to 4000 via BHU 233° bearing.

LEHIGHTON, PA

JAKE ARNER MEMORIAL

TAKE-OFF MINIMUMS: **Rwy 8**, 400-2 or std. with a min. climb of 320' per NM to 1000. **Rwy 26,** 700-2 or std. with a min. climb of 310' per NM to 1400.

DEPARTURE PROCEDURE: **Rwy 8**, climb to 2500 via LQX NDB bearing 072° before proceeding on course. **Rwy 26**, climb to 2500 via LQX NDB bearing 250° before proceeding on course.

LEWISBURG, WV

GREENBRIER VALLEY (LWB)
AMDT 4 09239 (FAA)

DEPARTURE PROCEDURE: **Rwy 4,** climb heading 043° to 3300 before proceeding on course. **Rwy 22,** climb heading 223° to 3100 before proceeding on course.

NOTE: **Rwy 4,** tree 1617' from DER, 528' right of centerline, 84' AGL/2364' MSL. **Rwy 22,** trees beginning 759' from DER 553' left of centerline, 60' AGL/2309' MSL. Trees beginning 1996' from DER, 289' right of centerline, up to 104' AGL/2364' MSL.

LOCK HAVEN, PA

WILLIAM T. PIPER MEMORIAL

TAKE-OFF MINIMUMS: **Rwys 9L, 9R,** NA-obstacles. **Rwy 27L,** NA-ATC. **Rwy 27R,** std. w/ a min. climb of 393' per NM to 2500 or 2300-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 27R,** climb heading 273° to 2500 before proceeding on course or for climb in visual conditions cross William T. Piper Memorial Airport at or above 2700 MSL before proceeding on course.

NOTE: **Rwy 27R,** multiple terrain and trees beginning 1.4 NM from departure end of runway, 1194' right of centerline, up to 100' AGL/1119' MSL. Tower 1.8 NM from departure end of runway, 349' right of centerline, 154' AGL/895' MSL.

LOGAN, WV

LOGAN COUNTY

TAKE-OFF MINIMUMS: **Rwy 24,** 400-1.

DEPARTURE PROCEDURE: **Rwy 6,** climb runway heading to 3000 before proceeding on course.

Rwy 24, climb runway heading to 3000 before proceeding on course.

NOTE: **Rwy 24,** 148' AGL trees 1500' from departure end of runway.

MARTINSBURG, WV

EASTERN WEST VIRGINIA RGNL/
SHEPHERD FIELD (MRB)
AMDT 6 08269 (FAA)

DEPARTURE PROCEDURE: **Rwy 8,** climb heading 079° to 1300 before proceeding on course. **Rwy 26,** climb heading 259° to 1000, then climbing left turn to 2500 direct MRB VORTAC before proceeding on course.

NOTE: **Rwy 8,** trees 1056' from departure end of runway, 706' left of centerline, 47' AGL/594' MSL. Trees 1516' from departure end of runway, 617' right of centerline, 39' AGL/586' MSL. **Rwy 26,** trees 511' from departure end of runway, 522' right of centerline, 35' AGL/592' MSL. Antenna on obstruction light building 657' from departure end of runway, 656' left of centerline, 37' AGL/594' MSL.

MEADVILLE, PA

PORT MEADVILLE

DEPARTURE PROCEDURE: **Rwy 7,** climb runway heading to 2000 before proceeding on course.

MIFFLINTOWN, PA

MIFFLINTOWN

TAKE-OFF MINIMUMS: **Rwy 8,** std. with a min. climb of 500' per NM to 4000 or 2100-3 for climb in visual conditions. **Rwy 26,** NA-obstacles.

DEPARTURE PROCEDURE: **Rwy 8,** climb heading 090° to 4000 before proceeding on course or for climb in visual conditions: cross Mifflintown Airport at or above 2500 MSL before proceeding on course.

NOTE: **Rwy 8,** multiple terrain and trees beginning 1332' from departure end of runway, 356' left of centerline, up to 200' AGL/839' MSL. Trees 1.2 NM from departure end of runway, 2350' right of centerline, up to 100' AGL/759' MSL.

MILTON, WV

ONA AIRPARK (12V)
AMDT 2 08101 (FAA)

TAKE-OFF MINIMUMS: **Rwys 7, 25,** 1900-3 climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 7, 25,** Departure NA at night. For climb in visual conditions: cross Ona Airpark at or above 2300 MSL before proceeding on course. Do not exceed 180 KIAS until crossing Ona Airpark on course.

NOTE: **Rwy 7,** trees beginning 730' from departure end of runway, 44' left of centerline, up to 100' AGL/1019' MSL. Trees 4879' from departure end of runway, 597' right of centerline, up to 100' AGL/999' MSL. Trees beginning 1.8 NM from departure end of runway, 2539' left of centerline, up to 100' AGL/1199' MSL. Trees beginning 1.6 NM from departure end of runway, 556' right of centerline, up to 100' AGL/1199' MSL. **Rwy 25,** trees beginning 94' from departure end of runway, 47' right of centerline, up to 100' AGL/719' MSL. Towers and trees beginning 3016' from departure end of runway, 758' left of centerline, up to 125' AGL/822' MSL. Trees beginning 2 NM from departure end of runway, 3193' left of centerline, up to 100' AGL/1079' MSL.

MONONGAHELA, PA

ROSTRAVER

TAKE-OFF MINIMUMS: **Rwy 26,** 300-1 or std. with a min. climb of 350' per NM to 1500.

DEPARTURE PROCEDURE: **Rwy 8,** Climb via heading 076° to 1900 before proceeding on course.

NOTES: **Rwy 8,** tree 64' from departure end of runway, 439' right of centerline, 54' AGL/1274' MSL; tree 246' from departure end of runway, 433' left of centerline, 66' AGL/1245' MSL; tree 325' from departure end of runway, 418' left of centerline, 61' AGL/1240' MSL; Tree 295' from departure end of runway, 354' left of centerline, 40' AGL/1239' MSL; tree 2303' from departure end of runway, 220' right of centerline, 46' AGL/1285' MSL; tree 2231' from departure end of runway, 18' left of centerline, 61' AGL/1280' MSL. **Rwy 26,** tree 3753' from departure end of runway, 644' left of centerline, 100' AGL/1390' MSL.

MORGANTOWN, WV

MORGANTOWN MUNI-WALTER L. BILL HART FIELD

TAKE-OFF MINIMUMS: **Rwy 5**, 400-1. **Rwy 23**, 600-1.

DEPARTURE PROCEDURE: **Rwy 5**, climbing left turn to 3500 via heading 040° to intercept MGW R-015 before proceeding on course. **Rwy 18**, climbing right turn to to 2700 via heading 225° before proceeding on course. **Rwy 23**, climbing left turn to 2700 via heading190°before proceeding on course. **Rwy 36**, climb runway heading to 2700 before proceeding on course.

MOUNDSVILLE, WV

MARSHALL COUNTY

TAKE-OFF MINIMUMS: **Rwy 6**, 500-2 or std. with a min. climb of 210' per NM to 1900. **Rwy 24**, 300-2 or std. with a min climb of 230' per NM to 1600.

MOUNT JOY/MARIETTA, PA

DONEGAL SPRINGS AIRPARK (N71)

AMDT 2 07354 (FAA)

DEPARTURE PROCEDURE: **Rwy 10,** climb heading 094° to 1300 before turning southwest. **Rwy 28,** climb heading 274° to 1900 before turning south.

NOTE: **Rwy 10,** tree 433' from departure end of runway, 487' right of centerline, 100' AGL/519' MSL.

MOUNT POCONO, PA

POCONO MOUNTAINS MUNI

DEPARTURE PROCEDURE: **All runways**, climb straight ahead to 2500 feet before turning on course.

MUIR AAF (KMUI)

FORT INDIANTOWN GAP, PA. 09015

DEPARTURE PROCEDURE: **Rwy 7,** climbing right turn on 190 bearing from BZJ NDB to 1900 before proceeding on course. **Rwy 25,** climbing left turn on 190 bearing from BZJ NDB to 1800 before proceeding on course.

TAKE-OFF OBSTACLES: **Rwy 7,** Trees 309' from DER, left of centerline, 81' AGL/514' MSL. Trees 2945' from DER, 662' right of centerline, 63' AGL/562' MSL. **Rwy 25,** Tree 26' from DER, 415' right of centerline, 43' AGL/505' MSL. Vehicle on road 280' from DER, 61' left of centerline, 15' AGL/474' MSL. Building 382' from DER, 235' left of centerline, 33' AGL/492' MSL.

MYERSTOWN, PA

DECK

DEPARTURE PROCEDURE: **Rwy 19,** climb heading 174° to 1600 before proceeding on course.

NOTE: **Rwy 1,** tree 315' from departure end of runway, 579' right of centerline, 41' AGL/570' MSL. Pole 697' from departure end of runway, 621' right of centerline, 31' AGL/553' MSL. Tree 878' from departure end of runway, 616' right of centerline, 56' AGL/572' MSL.

NEW CASTLE, PA

NEW CASTLE MUNI

TAKE-OFF MINIMUMS: **Rwy 13**, 300-1 or std. with a min. climb of 350' per NM to 1400.

NOTE: **Rwy 5,** tree 785' from departure end of runway, 196' right of centerline, 32' AGL/1029' MSL. **Rwy 13,** trees 4087' from departure end of runway, 1531' right of centerline, 100' AGL/1249' MSL. Building 262' from departure end of runway, 179' left of centerline, 24' AGL/1088' MSL. **Rwy 31,** tree 497' from departure end of runway, 18' right of centerline, 28' AGL/1044' MSL.

PARKERSBURG, WV

MID-OHIO VALLEY RGNL (PKB)

AMDT 2 09155 (FAA)

TAKE-OFF MINIMUMS: **Rwy 3,** 300-1 or std. w/ min. climb of 451' per NM to 1300. **Rwy 28,** 500-3 or std. w/ min. climb of 295' per NM to 1600.

NOTE: **Rwy 3,** trees beginning 253' from DER, 424' left of centerline, up to 100' AGL/1080' MSL. Trees 2615' from DER, 807' right of centerline, 100' AGL/935' MSL. **Rwy 10,** trees beginning 281' from DER, left and right of centerline, up to 100' AGL/889' MSL. **Rwy 21,** trees beginning 513' from DER, 193' right of centerline, up to 100' AGL/952' MSL. Trees beginning 248' from DER, 499' left of centerline, up to 100' AGL/837' MSL. Trees 4457' from DER, 239' right of centerline, 100' AGL/944' MSL. **Rwy 28,** trees beginning 97' from DER, 387' right of centerline, up to 100' AGL/862' MSL.

PERKASIE,PA

PENNRIDGE

TAKE-OFF MINIMUMS: **Rwy 8**, 300-1. **Rwy 26**, 500-1.

PETERSBURG, WV

GRANT COUNTY

TAKE-OFF MINIMUMS: **Rwys 13, 31**, 1500-3.

DEPARTURE PROCEDURE: **Rwys 13, 31,** climb visually so as to cross airport at or above 2400 thence continue climb to 5000 northeast on heading 033° to intercept ESL R-213 direct to ESL.

PHILADELPHIA, PA

NORTHEAST PHILADELPHIA (PNE)
ORIG 08045 (FAA)

TAKE-OFF MINIMUMS: **Rwy 33,** 200-1¼ or std. w/ min. climb of 223' per NM to 400, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1600' prior to departure end of runway.

NOTES: **Rwy 6,** Trees 1355' from departure end of runway, 803' left of centerline 58' AGL/179' MSL. Trees 1576' from departure end of runway, 835' left of centerline, 44' AGL/165' MSL. **Rwy 15,** Vehicles on roads beginning 540' from departure end of runway, on centerline, up to 15' AGL/134' MSL. Trees beginning 592' from departure end of runway, 42' left of centerline, up to 74' AGL/166' MSL. Trees beginning 928' from departure end of runway, 213' right of centerline, up to 64' AGL/173' MSL. **Rwy 24,** Trees beginning 198' from departure end of runway 198' left of centerline, up to 38' AGL/158' MSL. Vehicle on road 450' from departure end of runway, on centerline, 15' AGL/134' MSL. Tank and trees beginning 2343' from departure end of runway, 577' left of centerline, up to 91' AGL/200' MSL. Bushes and trees beginning 118' from departure end of runway, 182' right of centerline, up to 26' AGL/137' MSL. Trees beginning 1325' from departure end of runway, 220' right of centerline, up to 77' AGL/197' MSL. **Rwy 33,** Vehicle on road 2050' from departure end of runway, on centerline, 15' AGL/174' MSL. Bushes and trees beginning 491' from departure end of runway, 29' left of centerline, up to 66' AGL/225' MSL. Obstruction light transmission towers, beginning 5872' from departure end of runway, 401' left of centerline, up to 125' AGL/284' MSL. Bushes and trees beginning 636' from departure end of runway, 185' right of centerline, up to 57' AGL/215' MSL.

PHILADELPHIA INTL (PHL)
AMDT 8 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwy 8,** std. w/ min. climb of 320' per NM to 900. **Rwy 9L,** std. w/ min. climb of 390' per NM to 500. **Rwy 9R,** std. w/ min. climb of 310' per NM to 500. **Rwy 17,** 200-1 or std. w/ min. climb of 410' per NM to 300. **Rwy 26,** NA-obstacles. **Rwy 35,** std. w/ min. climb of 264' per NM to 1400.

NOTE: **Rwy 8,** fence 163' from departure end of runway, 250' right of centerline, 4' AGL/41' MSL. **Rwy 9L,** tree 593' from departure end of runway, 633' left of centerline, 12' AGL/26' MSL. **Rwy 9R,** multiple towers beglnnlng 2592' from departure end of runway, 1044' right of centerline, up to 140' AGL/145' MSL. **Rwy 17,** multiple trees beginning 1115' from departure end of runway, 286' left of centerline, up to 56' AGL/65' MSL. Rod on tower 1617' from departure end of runway, 847' right of centerline, 68' AGL/77' MSL. Shlp in channel 3500' from departure end of runway, 86' left of centerline, 188' AGL/188' MSL. **Rwy 27L,** multiple trees beginning 256' from departure end of runway, 282' right of centerline, up to 40' AGL/49' MSL. **Rwy 35,** sign and multiple light poles and trees beginning 1232' from departure end of runway, 205' left of centerline, up to 11 4' AGL/128' MSL. Multiple signs and light poles beginning 1709' from departure end of runway, 644' right of centerline, up to 69' AGL/83' MSL.

PHILADELPHIA, PA (CON'T)

WINGS FIELD

TAKE-OFF MINIMUMS: **Rwy 24,** 300-1 or std. with a min. climb of 400' per NM to 600.

DEPARTURE PROCEDURE: **Rwy 24,** climb via heading 245° to 1100 before proceeding on course.

NOTE: **Rwy 6,** trees beginning 154' from departure end of runway, 357' left of centerline, 90' AGL/350' MSL. Trees 1038' from departure end of runway, 776' left of centerline, 100' AGL/389' MSL. **Rwy 24,** mulitiple buildings 347' from departure end of runway, 530' left of centerline, 50' AGL/360' MSL. Building 235' from departure end of runway, 524' right of centerline, 60' AGL/350' MSL. Tower 4367' from departure end of runway, 843' right of centerline, 160' AGL/444' MSL.

PHILIPPI, WV

PHILIPPI/BARBOUR COUNTY RGNL (79D)
ORIG 08157 (FAA)

DEPARTURE PROCEDURE: **Rwy 8,** climb heading 083° to 3300 before turning south.

NOTE: **Rwy 8,** trees beginning 108' from departure end of runway, 118' right of centerline, up to 100' AGL/1799' MSL. **Rwy 26,** trees beginning 504' from departure end of runway, 220' left of centerline, up to 100' AGL/1779' MSL.

PHILIPSBURG, PA

MID-STATE

TAKE-OFF MINIMUMS: **Rwy 6,** 700-1. **Rwy 16,** 400-1. **Rwy 24,** 300-1.

DEPARTURE PROCEDURE: **Rwy 6,** climbing left turn to 2800 on heading 340° before proceeding on course. **Rwys 16,24,34,** climb runway heading to 2800 before proceeding on course.

PINEVILLE, WV

KEE FIELD

TAKE-OFF MINIMUMS: **Rwy 8,** 700-2. **Rwy 26,** 600-1.

DEPARTURE PROCEDURE: **Rwys 8, 26**, climb runway heading to 3000 before proceeding on course.

NOTE: **Rwy 8,** 86' trees/terrain 2100' from departure end on centerline. **Rwy 26**, 135' trees/terrain 1300' from departure end on centerline.

PITTSBURGH, PA

ALLEGHENY COUNTY

NOTE: **Rwy 10,** vehicle 91' from departure end of runway, 492' right of centerline, 15' AGL/1254' MSL. Tree 3783' from departure end of runway, 713' left of centerline, 69' AGL/1352' MSL. **Rwy 13,** vehicle 73' from departure end of runway, 412' right of centerline, 15' AGL/1254' MSL. Trees beginning 385' from departure end of runway, 120' right of centerline, up to 40' AGL/1268' MSL. **Rwy 31,** pole 265' from departure end of runway, 298' right of centerline, 49' AGL/1263' MSL.

PITTSBURGH, PA (CON'T)

PITTSBURGH INTL

TAKE-OFF MINIMUMS: **Rwy 32,** 200-1½ or std. w/ min. climb of 240' per NM to 1500, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 2100' prior to departure end of runway.

NOTE: **Rwy 10C,** multiple trees beginning 3207' from departure end of runway, 461' left of centerline, up to 29' AGL/1263' MSL. **Rwy 10L,** tree 1387' from departure end of runway, 733' left of centerline, 59' AGL/1233' MSL. Rod on obstruction light tower, 4168' from departure end of runway, 910' left of centerline, 112' AGL/1282' MSL. Tower 4175' from departure end of runway, 864' left of centerline, 112' AGL/1282' MSL. Tree 1463' from departure end of runway, 672' left of centerline, 38' AGL/1212' MSL. **Rwy 10R,** multiple trees beginning 1082' from departure end of runway, 102' right of centerline, up to 66' AGL/1265' MSL. Obstruction light on monitor pole 4590' from departure endof runway, 1124' left of centerline, 55' AGL/1241' MSL. Pole 4610' from departure end of runway, 1138' left of centerline, 55' AGL/1241' MSL. **Rwy 14,** tree 968' from departure end of runway, 516' right of centerline, 44' AGL/1158' MSL. **Rwy 28L,** tree 2272' from departure end of runway, 1109' left of centerline, 64' AGL/1223' MSL. Tree 39' from departure end of runway, 498' left of centerline, 9' AGL/1144' MSL. **Rwy 28R,** tree 1810' from departure end of runway, 912' right of centerline, 34' AGL/1273' MSL. Bush 73' from departure end of runway, 477' right of centerline, 12' AGL/1215' MSL. Pole 645' from departure end of runway, 633' left of centerline, 20' AGL/1223' MSL. **Rwy 32,** antenna on obstruction light tower 1.1 NM from departure end of runway, 435' left of centerline, 105' AGL/1354' MSL. Tower 6812' from departure end of runway, 497' left of centerline, 96' AGL/1342' MSL. Light on pole 454' from departure end of runway, 515' right of centerline, 25' AGL/1173' MSL. Multiple trees beginning 1717' from departure end of runway, 1108' right of centerline, up to 61' AGL/1321' MSL. Tree 6074' from departure end of runway, 1272' right of centerline, 61' AGL/1321' MSL. Tree 2577' from departure end of runway, 1108' right of centerline, 74' AGL/1233' MSL. Tree 2480' from departure end of runway, 1118' right of centerline, 33' AGL/1212' MSL.

POINT PLEASANT, WV

MASON COUNTY

TAKE-OFF MINIMUMS: **Rwy 7,** 300-1 or std. with a min. climb of 280' per NM to 1000.

DEPARTURE PROCEDURE: **Rwys 7, 25,** climb runway heading to 1600 before proceeding on course.

NOTE: **Rwy 25,** 60' AGL tree 475' left of departure end of runway.

POTTSTOWN, PA

POTTSTOWN-LIMERICK

TAKE-OFF MINIMUMS: **Rwy 10,** 300-1 or std. with a min. climb of 290' per NM to 500. **Rwy 28**, 500-2.

DEPARTURE PROCEDURE: **Rwy 28**, climb runway heading to 800 before proceeding on course.

POTTSTOWN, PA (CON'T)

POTTSTOWN MUNI (N47)

AMDT 2A 09295 (FAA)

TAKE-OFF MINIMUMS: **Rwy 8,** std. w/ min. climb of 414' per NM to 1300, or 600-3 w/ min. climb of 241' per NM to 1300, or 1300-2½ for climb in visual conditions. **Rwy 26,** std. w/ min. climb of 288' per NM to 1600 or 1300-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 8,** climb heading 076° to 1300 before proceeding on course. For climb in visual conditions: cross Pottstown Muni Airport at or above 1400 MSL before proceeding on course. **Rwy 26,** climb heading 271° to 1100 before proceeding on course. For climb in visual conditions: cross Pottstown Muni Airport at or above 1400 MSL before proceeding on course.

NOTE: **Rwy 8,** terrain 2761' from DER, 124' right of centerline, 0' AGL/319' MSL. Multiple trees beginning 5919' from DER, 854' left of centerline, up to 100' AGL/559' MSL. Multiple trees beginning 1.3 NM from DER, 616' right of centerline, up to 100' AGL/759' MSL. **Rwy 26,** tree 400' from DER, on centerline, 35' AGL/295' MSL. Terrain 10' from DER, 246' left of centerline, 0' AGL/279' MSL. Tree 399' from DER, on centerline, up to 100' AGL/295' MSL. Multiple trees beginning 1 NM from DER, 2009' right of centerline, up to 100' AGL/579' MSL.

POTTSVILLE, PA

SCHUYKILL COUNTY/JOE ZERBEY (ZER)

AMDT 2 09239 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4, 22,** NA-Environmental.

NOTE: **Rwy 11,** tree 88' from DER, 467' left of centerline, 23' AGL/1723' MSL. Tree 358' from DER, 545' right of centerline, 100' AGL/1779' MSL. **Rwy 29,** tree 433' from DER, 151' left of centerline, 100' AGL/1819' MSL. Tree 460' from DER, 263' right of centerline, 100' AGL/1819' MSL. Bush 86' from DER, 236' right of centerline, 7' AGL/1746' MSL.

PUNXSUTAWNEY, PA

PUNXSUTAWNEY MUNI

TAKE-OFF MINIMUMS: **Rwy 1**, NA-obstacles. **Rwy 6**, 400-1 ¾ or std. with a min. climb of 260' per NM to 2000. **Rwy 19**, 500-2 or std. with a min. climb of 285' per NM to 2000.

DEPARTURE PROCEDURE: **Rwy 6**, climb via heading 067° to 2000 before proceeding on course. **Rwy 19**, climb via heading 188° to 2000 before proceeding on course. **Rwy 24**, climb via heading 247° to 2100 before proceeding on course.

NOTES: **Rwy 6**, tree 1.4 NM from departure end of runway, 2579' left of centerline, 100' AGL/1719' MSL. Tower 1.9 NM from departure end of runway, 2966' left of centerline, 200' AGL/1799' MSL. Tower 1.7 NM from departure end of runway, 1264' right of centerline, 200' AGL/1719' MSL. **Rwy 19**, tower 1.7 NM from departure end of runway, 2860' left of centerline, 200' AGL/1799' MSL.

RAVENSWOOD, WV

JACKSON COUNTY

TAKE-OFF MINIMUMS: **Rwy 4,** 300-1.

DEPARTURE PROCEDURE: **Rwys 4**,**22**, climb runway heading to 1300 before proceeding on course.

NOTE: **Rwy 4,** 100' AGL tree, 500' from departure end of runway, 200' left of centerline.

READING, PA

READING RGNL/CARL A. SPAATZ FIELD

TAKE-OFF MINIMUMS: **Rwy 13**, 1000-1 or std. with a min. climb of 370' per NM to 1500. **Rwy 31,** 400-1 or std. with a min. climb of 350' per NM to 800. **Rwy 36**, 400-1 or std. with a min. climb of 260' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 18**, climb runway heading to 1400 before turning on course.

Rwys 31, 36, climb runway heading to 800 before turning on course.

REEDSVILLE, PA

MIFFLIN COUNTY (RVL)

AMDT 3 08157 (FAA)

TAKE-OFF MINIMUMS: **Rwy 6,** std. w/ min. climb of 287' per NM to 3000 or 2200-3 for climb in visual conditions. **Rwy 24,** std. w/ min. climb of 242' per NM to 2800 or 2200-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 6,** climb heading 059° to 3000 before proceeding on course or for climb in visual conditions cross Mifflin County Airport at or above 3000 MSL before proceeding on course. **Rwy 24**, climb heading 239° to 2800 before proceeding on course or for climb in visual conditions cross Mifflin County Airport at or above 3000 MSL before proceeding on course.

NOTE: **Rwy 6,** fence beginning 59' from departure end of runway, 497' right of centerline, up to 6' AGL/825' MSL. Bushes 449' from departure end of runway, 422' right of centerline, up to 10' AGL/829' MSL. **Rwy 24,** ground 171' from departure end of runway, 481' left of centerline, 0' AGL/830' MSL. Fence 207' from departure end of runway, 288' left of centerline, 15' AGL/834' MSL. Trees 1189' from departure end of runway, 198' right of centerline, up to 100' AGL/933' MSL. Trees 2,168' from departure end of runway, 407' left of centerline, up to 100' AGL/908' MSL.

ST. MARYS, PA

ST. MARYS MUNI

NOTE: **Rwy 10,** terrain and trees 3833' from departure end of runway, right and left of centerline, 100' AGL/2119' MSL. **Rwy 28,** terrain and trees 1926' from departure end of runway, right and left of centerline, 100' AGL/1979' MSL; terrain and trees 3754' from departure end of runway, right and left of centerline, 100' AGL/2000' MSL.

SELINGSGROVE, PA

PENN VALLEY

TAKE-OFF MINIMUMS: **Rwy 17,** 600-2 or std. with a min. climb of 300' per NM to 1500. **Rwy 35,** 600-2 or std. with a min. climb of 500' per NM to 1200.

DEPARTURE PROCEDURE: **Rwy 17,** climbing right turn to 3100 direct SEG VORTAC. Continue climb in holding pattern to 3100 before proceeding on course.

Rwy 35, climbing left turn to 3100 direct SEG VORTAC. Continue climb in holding pattern to 3100 before proceeding on course.

SEVEN SPRINGS BOROUGH, PA

SEVEN SPRINGS

TAKE-OFF MINIMUMS: **Rwys 10, 28**, 300-1.

SHAMOKIN, PA

NORTHUMBERLAND COUNTY

TAKE-OFF MINIMUMS: **Rwy 8**, 400-1 or std. with a min. climb of 450' per NM to 1400. **Rwy 26**, 700-1 or std. with a min. climb of 250' per NM to 1400.

DEPARTURE PROCEDURE: **Rwy 8**, climb to 1400, then climbing left turn to 4000 direct SEG VORTAC.

Rwy 26, climb to 1400, then climb to 4000 via SEG R-088 to SEG VORTAC.

SOMERSET, PA

SOMERSET COUNTY (2G9)

AMDT 2 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 14,32,** NA-environmental.

DEPARTURE PROCEDURE: **Rwy 7,** climb heading 066° to 3000 before turning south. **Rwy 25,** climb heading 246° to 2800 before turning south.

NOTE: **Rwy 7,** trees beginning 57' from departure end of runway, 178' right of centerline, up to 79' AGL/2285' MSL. Tree 1291' from departure endof runway, 76' left of centerline, 59' AGL/2238' MSL. Buildings beginning 639' from departure end of runway, 348' left of centerline, up to 40' AGL/2222' MSL. **Rwy 25,** trees beginning 480' from departure end of runway, 152' right of centerline, upt o 67' AGL/2346' MSL. Antenna on building 283' from departure end of runway, 204' rightof centerline, 30' AGL/2290' MSL. Tree 584' from departure end of runway, 211' left of centerline, 55' AGL/2297' MSL. Obstruction light on localizer 291' from departure end of runway, on centerline, 20' AGL/2284' MSL.

STATE COLLEGE, PA

UNIVERSITY PARK

TAKE-OFF MINIMUMS: **Rwys 16,34**, NA.

DEPARTURE PROCEDURE: **Rwys 6,24**, climb runway heading to 2600 before proceeding on course.

STERLING, PA
SPRING HILL (70N)
ORIG 09015 (FAA)

TAKE-OFF MINIMUMS: **Rwy 23,** 600-2.

NOTE: **Rwy 5,** building and trees 244' from departure end of runway, 278' right of centerline, up to 50' AGL/1689' MSL. Trees beginning 956' from departure end of runway, 34' right of centerline, up to 100' AGL/1759' MSL. Trees beginning 2883' from departure end of runway, 278' right of centerline, up to 100' AGL/1799' MSL. **Rwy 23,** trees 933' from departure end of runway, 201' right of centerline, up to 100' AGL/1899' MSL. Trees 2360' from departure end of runway, 156' left of centerline, up to 100' AGL/1901' MSL. Trees 1.1 NM from departure end of runway, 1736' left of centerline, up to 100' AGL/2119' MSL. Trees 1.5 NM from departure end of runway, 1698' right of centerline, up to 100' AGL/2139' MSL.

SUMMERSVILLE, WV
SUMMERSVILLE

TAKE-OFF MINIMUMS: **Rwy 4**, 400-1 or std. with a min. climb of 350' per NM to 3000.

SUTTON, WV
BRAXTON COUNTY

TAKE-OFF MINIMUMS: **Rwy 1,** 300-1 with a min. climb of 245' per NM to 2100 or 1100-2½ for climb in visual conditions. **Rwy 19,** NA-obstacles.

DEPARTURE PROCEDURE: **Rwy 1,** climb via heading 014° to 2100 before proceeding on course. For climb in visual conditions, cross Braxton County Airport at or above 2200.

NOTE: **Rwy 1,** Road 798' from departure end of runway, 498' right of centerline, 15' AGL/1334' MSL. Trees 1160' from departure end of runway, 533' left of centerline, up to 100' AGL/1439' MSL. Trees, 3257' from departure end of runway, 1194' left of centerline, up to 100' AGL/1479' MSL. Trees, 4449' from departure end of runway, 955' left of centerline, up to 100' AGL/1539' MSL. Powerline tower, 4549' from departure end of runway, 342' left of centerline, 70' AGL/1429' MSL.

TITUSVILLE, PA
TITUSVILLE

NOTE: **Rwy 18,** trees beginning 1865' from departure end of runway, 199' right of centerline, up to 100' AGL/1589' MSL. Trees beginning 1313' from departure end of runway, on centerline, up to 100' AGL/1609' MSL. Trees beginning 872' from departure end of runway, 194' left of centerline, up to 100' AGL/1619' MSL. **Rwy 36,** trees beginning 2798' from departure end of runway, 217' right of centerline, up to 100' AGL/1689' MSL. Trees beginning 2806' from departure end of runway, 47' left of centerline, up to 100' AGL/1736' MSL.

TOUGHKENAMON, PA
NEW GARDEN

TAKE-OFF MINIMUMS: **Rwy 6**, 300-1.

DEPARTURE PROCEDURE: **Rwys 6,24,** climb runway heading to 900 before turning on course.

TOWANDA, PA
BRADFORD COUNTY

TAKE-OFF MINIMUMS: **Rwy 5,** 900-2 or std. with a min. climb of 380' per NM to 2000. **Rwy 23,** 1600-2 or std. with a min. climb of 580' per NM to 2800.

DEPARTURE PROCEDURE: **Rwy 5,** climb heading 047° to 3000 before proceeding on course. **Rwy 23,** climb heading 227° to 3000 before proceeding on course.

NOTE: **Rwy 5,** trees 12386' from departure end of runway, 3511' left of centerline, 100' AGL/1462' MSL. **Rwy 23,** trees 10099' from departure end of runway, 1892' left of centerline, 100' AGL/1203' MSL.

TOWER CITY, PA
BENDIGO (74N)
ORIG 09183 (FAA)

TAKE-OFF MINIMUMS: **Rwy 5,** std. w/ min. climb of 518' per NM to 2200 or 1700-2 for climb in visual conditions. **Rwy 23,** NA-terrain.

DEPARTURE PROCEDURE: **Rwy 5,** departure NA at night. Climb heading 054° to 2200 before proceeding on course or for climb in visual conditions: cross Bendigo airport at or above 2300 before proceeding on course. Do not exceed 180 KIAS until crossing Bendigo airport on course.

NOTE: **Rwy 5,** multiple trees beginning 330' from DER, 45' left of centerline, up to 100' AGL/919' MSL. Multiple trees beginning 355' from DER, 81' right of centerline, up to 100' AGL/879' MSL. Multiple towers beginning 2.1 NM from DER, 2384' left of centerline, up to 200' AGL/1559' MSL.

WASHINGTON, PA
WASHINGTON COUNTY

TAKE-OFF MINIMUMS: **Rwy 9,** 700-2¼ or std. with a min. climb of 475' per NM to 2100. **Rwy 27**, 300-1½ or std. with a min. climb of 490' per NM to 1500.

NOTE: **Rwy 9,** multiple trees beginning 2968' from departure end of runway, 780' right of centerline, up to 109' AGL/1308' MSL. Multiple trees beginning 5232' from departure end of runway, 459' left of centerline, up to 105' AGL/1380' MSL. Multiple trees beginning 1.2 NM from departure end of runway, 13' left of centerline, up to 117' AGL/1392' MSL. Multiple trees beginning 1.2 NM from departure end of runway, 687' right of centerline, up to 122' AGL/1461' MSL. Multiple trees and towers beginning 1.8 NM from departure end of runway, 1012' right of centerline, up to 213' AGL/1721' MSL. **Rwy 27,** multiple trees beginning 187' from departure end of runway, 132' left of centerline, up to 36' AGL/1195' MSL. Multiple trees beginning 267' from departure end of runway, 146' right of centerline, up to 55' AGL/1244' MSL. Multiple trees and poles beginning 1173' from departure end of runway, 29' left of centerline, up to 80' AGL/1414' MSL. Multiple trees and pole beginning 1362' from departure end of runway, 221' right of centerline, up to 65' AGL/1367' MSL. Multiple trees and towers beginning 1.2 NM from departure end of runway, 801' right of centerline, up to 83' AGL/1422' MSL.

WAYNESBURG, PA

GREENE COUNTY (WAY)
ORIG 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwy 9,** NA-obstacle. **Rwy 27,** 300-1 or Std. w/ min. climb of 447' per NM to 1300.

DEPARTURE PROCEDURE: **Rwy 27,** climb heading 268° to 1800 before proceeding on course.

NOTE: **Rwy 27,** trees beginning 332' from departure end of runway, 315' left of centerline, up to 100' AGL/1119' MSL. Trees beginning 332' from departure end of runway, 360' right of centerline, up to 100' AGL/1239' MSL. Pole/sign 1672' from departure end of runway, 623' left of centerline, 80' AGL/1148' MSL.

WELLSBORO, PA

WELLSBORO JOHNSTON

TAKE-OFF MINIMUMS: **Rwy 10**, 300-1. **Rwy 28**, 600-2 or std. with a min. climb of 240' per NM to 2700.

DEPARTURE PROCEDURE: **Rwy 10,** climbing right turn direct SFK VOR/DME. **Rwy 28,** climbing left turn direct SFK VOR/DME. **All aircraft** cross SFK VOR/DME at or above 3000, if not at 3000, continue climb in SFK VOR/DME holding pattern to 3000 before proceeding on course (Hold SW, right turns, 036° inbound).

NOTE: **Rwy 10,** 79' AGL trees 1600' from departure end of runway, on centerline.

WEST CHESTER, PA

BRANDYWINE

TAKE-OFF MINIMUMS: **Rwy 27,** 300-1 or std. with a min. climb of 240' per NM to 700.

NOTE: **Rwy 27,** 100' AGL trees 3800' from departure end of runway, on centerline.

WHEELING, WV

WHEELING OHIO COUNTY

NOTE: **Rwy 3,** tree 95' from departure end of runway, 315' right of centerline, 13' AGL/1213' MSL. Tree 351' from departure end of runway, 264' left of centerline, 48' AGL/1227' MSL. Obstruction light on antenna 96' from departure end of runway, 240' left of centerline, 9' AGL/1208' MSL. Obstruction light on transmission tower 5596' from departure end of runway, 1128' right of centerline, 100' AGL/1341' MSL. **Rwy 16,** pole 125' from departure end of runway, 241' left of centerline, 4' AGL/1203' MSL. Pole 264' from departure end of runway, 261' right of centerline, 6' AGL/1205' MSL. Post 267' from departure end of runway, 242' left of centerline, 19' AGL/1198' MSL. Tree 299' from departure end of runway, 273' left of centerline, 46' AGL/1225' MSL. **Rwy 34,** multiple trees beginning 460' from departure end of runway, 402' right of centerline, up to 46' AGL/1225' MSL. Obstruction light on antenna 436' from departure end of runway, 599' left of centerline, 45' AGL/1224' MSL.

WILKES-BARRE/SCRANTON, PA

WILKES-BARRE/SCRANTON INTL

TAKE-OFF MINIMUMS: **Rwy 4,** 300-1½ or std. with a min. climb of 240' per NM to 1300. **Rwy 10,** NA-obstacles. **Rwy 22**, 400-2 or std. with a min. climb of 240' per NM to 1400.

DEPARTURE PROCEDURE: **Rwy 4**, climb via heading 044° and LHY R-255 to cross LHY VORTAC at or above 3000 before proceeding on course. **Rwy 22,** fly heading 224° to 1400, then climbing right turn via heading 250° and LVZ R-287 to 3000 before proceeding on course. **Rwy 28,** fly heading 283° to 1400, then climbing left turn via heading 250° and LVZ R-287 to 3000 before proceeding on course.

NOTE: **Rwy 4,** tower 4380' from departure end of runway, 414' left of centerline, 114' AGL/1026' MSL. Tree 1 NM from departure end of runway, 1647' left of centerline, 85' AGL/1064' MSL. Tree 1.3 NM from departure end of runway, 468' left of centerline, 100' AGL/1139' MSL. **Rwy 22,** tower 1.8 NM from departure end of runway, 2177' right of centerline, 352' AGL/1293' MSL.

WILLIAMSPORT, PA

WILLIAMSPORT RGNL

TAKE-OFF MINIMUMS: **Rwy 9,** 600-1 required or std. with a min. climb of 255' per NM to 1600. **Rwy 12**, 1300-1. **Rwy 15**, 1500-1 required; night IFR take- off NA. **Rwy 27**, 1300-1 required or 500-1 required with a min. climb of 235' per NM to 1400. **Rwy 30**, 900-1 required or std. with a min. climb of 236' per NM to 1400. **Rwy 33**, 1500-1 required or std. with a min. climb of 295' per NM to 2100.

DEPARTURE PROCEDURE: **Rwy 9**, climb straight ahead to 2500 via PIX NDB or IPT LOC Front Course before proceeding on course. **Rwys 12, 15**, left climbing turn as soon as practicable after take off, intercept IPT LOC Front Course and climb eastbound to 2500 before proceeding on course. **Rwy 27**, turn right, maintain visual reference until established on 300° heading. Intercept the MIP R-318 and continue climb to 2500 before proceeding on course. **Rwys 30, 33**, climb straight ahead to 2500 before proceeding on course.

WILLOW GROVE NAS JRB (KNXX)

WILLOW GROVE , PA ORIG, 05020

TAKE-OFF OBSTACLES: **Rwy 33,** trees within 4758' of departure end of runway, 455' MSL.

YORK, PA

YORK

TAKE-OFF MINIMUMS: **Rwys 17,35**, 300-1.

DEPARTURE PROCEDURE: **Rwy 17**, climb on runway heading to 1000 feet before turning. **Rwy 35**, climb on runway heading to 800 feet before turning.

ZELIENOPLE, PA

ZELIENOPLE MUNI (PJC)
AMDT 3 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwys 17,35,** 1100-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 17,35,** for climb in visual conditions: cross Zelienople Muni at or above 1900' before proceeding on course.

NOTE: **Rwy 17,** terrain and trees beginning 1.23 NM from departure end of runway, 1272' left of centerline, up to 100' AGL/1339' MSL. Vehicle on road beginning 18' from departure end of runway, 378' left of centerline, up to 15' AGL/946' MSL. Brush 278' from departure end of runway, 204' left of centerline, 21' AGL/921' MSL. Vehicle on road 451' from departure end of runway, 593' right of centerline, 15' AGL/946' MSL. Trees beginning 2442' from departure end of runway, 1110' right of centerline, up to 100' AGL/1299' MSL. Power lines beginning 3648' from departure end of runway, 644' right of centerline, up to 79' AGL/1046' MSL. Trees beginning 1.27 NM from departure end of runway, 477' right of centerline, up to 100' AGL/1359' MSL. **Rwy 35,** terrain and trees beginning 1.04 NM from departure end of runway, 1400 left of centerline, up to 100' AGL/1259' MSL. Trees 805' from departure end of runway, 287' right of centerline, 120' AGL/1014' MSL. Vehicle on road 161' from departure end of runway, 524' right of centerline, 15' AGL/946' MSL.

LOC I-MQU	APP CRS	Rwy ldg	6750
111.7	193°	TDZE	2468
		Apt Elev	2504

ILS or LOC RWY 19

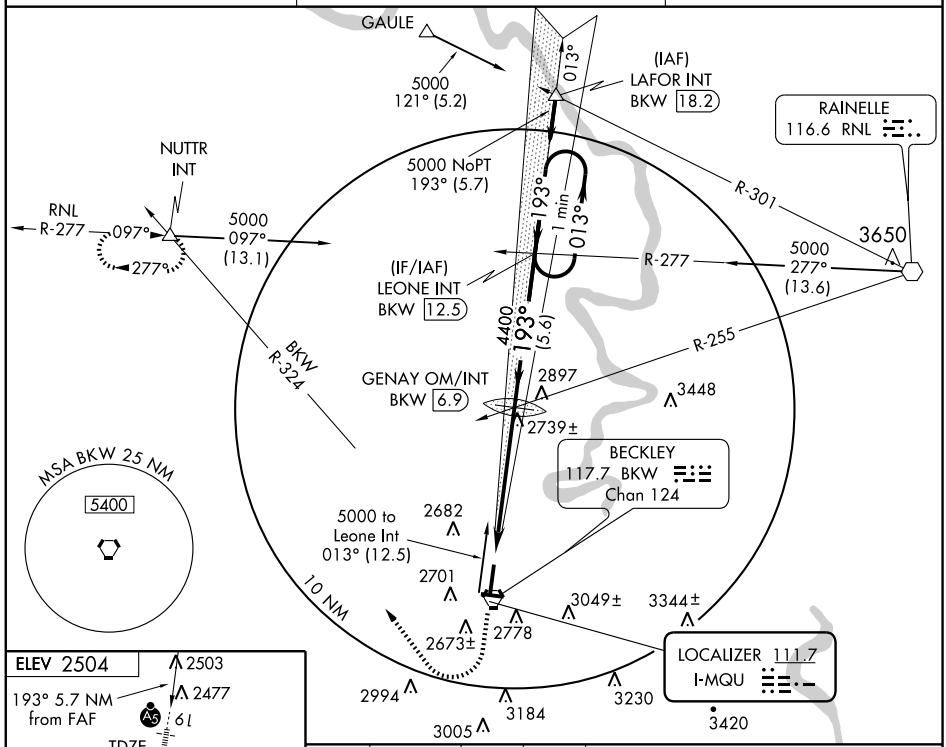
BECKLEY/RALEIGH COUNTY MEMORIAL (BKW)

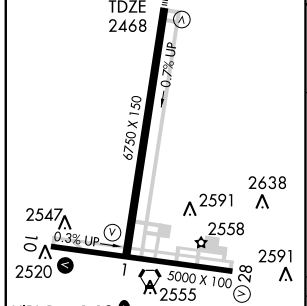
If local altimeter setting not received, use Bluefield altimeter setting and increase all DAs/MDAs 120 feet.

MALSR

MISSED APPROACH: Climb to 3300 then climbing right turn to 5000 via heading 360° and BKW R-324 to NUTTR Int and hold.

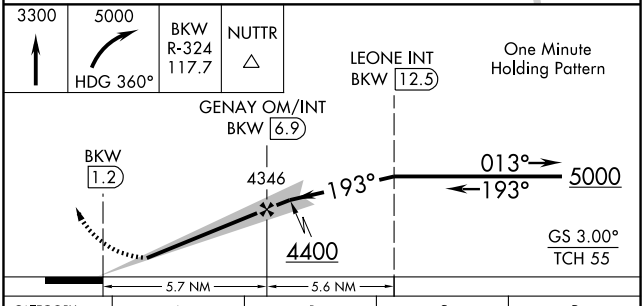
ASOS	CHARLESTON APP CON		UNICOM
121.55	118.95	269.125	123.0 (CTAF) L





HIRL Rwy 1-19 L
MIRL Rwy 10-28 L
REIL Rwys 1,10, and 28 L

FAF to MAP 5.7 NM					
Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54



CATEGORY	A	B	C	D
S-ILS 19	2668-½ 200 (200-½)			
S-LOC 19	3000-½ 532 (600-½)		3000-1 532 (600-1)	3000-1¼ 532 (600-1¼)
CIRCLING	3120-1 616 (700-1)	3180-1 676 (700-1)	3180-2 676 (700-2)	3180-2¼ 676 (700-2¼)

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	6750
013°	TDZE	2495
	Apt Elev	2504

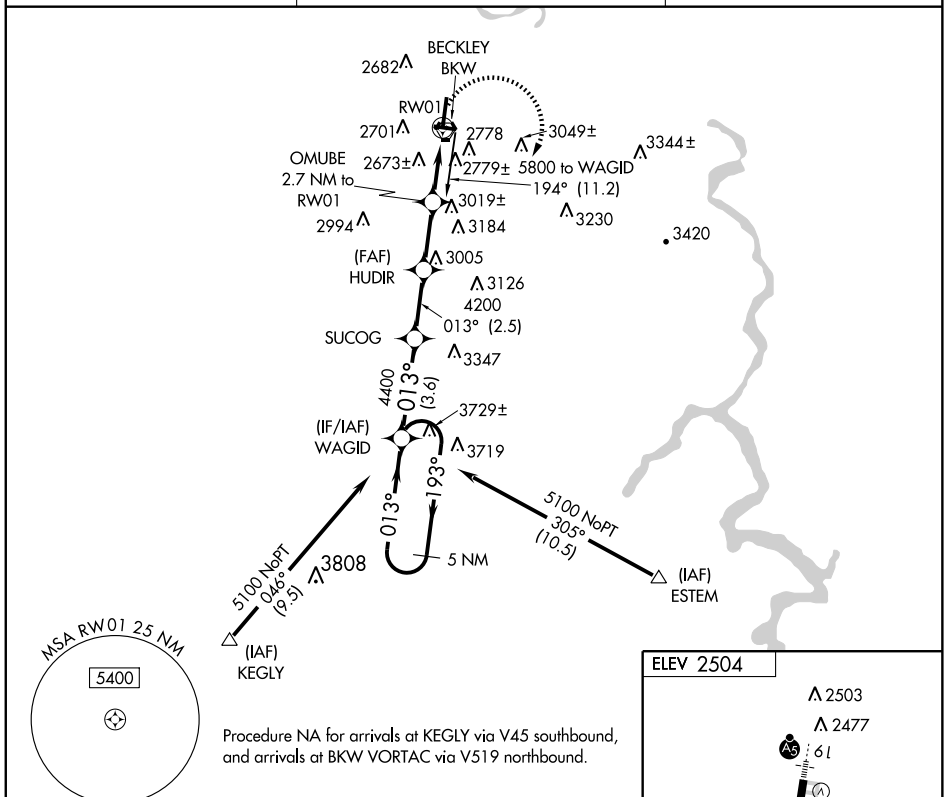
RNAV (GPS) RWY 1

BECKLEY/RALEIGH COUNTY MEMORIAL (BKW)

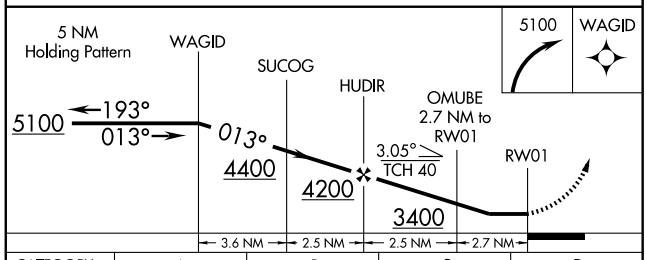
Circling to Rwy 28 NA at night.
DME/DME RNP-0.3 NA.
Visibility reduction by helicopters NA.

MISSED APPROACH: Climbing right turn to 5100 direct WAGID and hold.

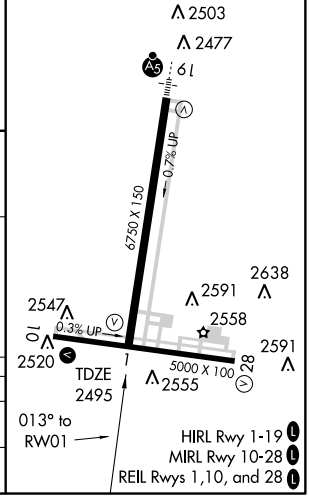
ASOS	CHARLESTON APP CON	UNICOM
121.55	118.95 269.125	123.0 (CTAF) L



Procedure NA for arrivals at KEGLY via V45 southbound, and arrivals at BKW VORTAC via V519 northbound.



CATEGORY	A	B	C	D
LNAV MDA	3040-1 545 (600-1)		3040-1½ 545 (600-1½)	3040-1¾ 545 (600-1¾)
CIRCLING	3120-1 616 (700-1)	3180-1 676 (700-1)	3180-2 676 (700-2)	3180-2¼ 676 (700-2¼)



APP CRS	Rwy ldg	5000
103°	TDZE	2502
	Apt Elev	2504

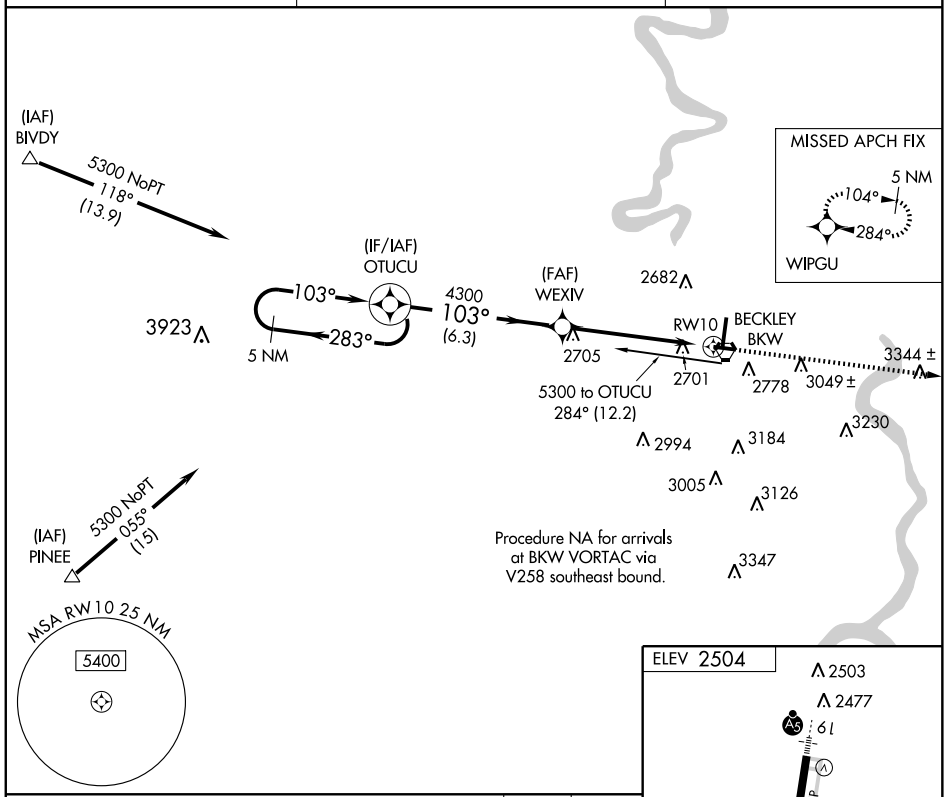
RNAV (GPS) RWY 10

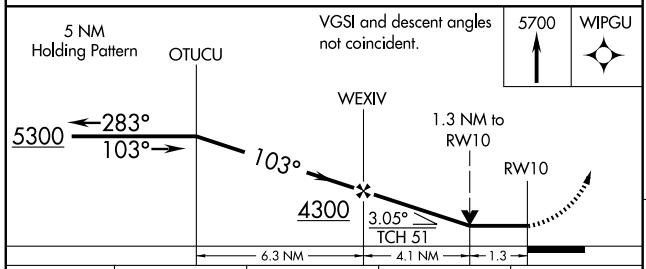
BECKLEY/RALEIGH COUNTY MEMORIAL (BKW)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
When local altimeter setting not received, use Bluefield altimeter setting and increase all MDA 120 feet and increase LNAV Cats C and D visibility ¼ mile and Circling Cats B, C, and D visibility ¼ mile. VDP NA when using Bluefield altimeter setting.

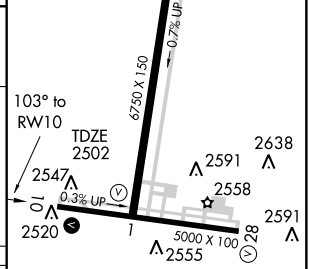
MISSED APPROACH: Climb to 5700 direct WIPGU and hold.

ASOS	CHARLESTON APP CON	UNICOM
121.55	118.95 269.125	123.0 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	2960-1	458 (500-1)	2960-1¼ 458 (500-1¼)	2960-1½ 458 (500-1½)
CIRCLING	3120-1 616 (700-1)	3180-1 676 (700-1)	3180-2 676 (700-2)	3180-2¼ 676 (700-2¼)



HIRL Rwy 1-19 L
MIRL Rwy 10-28 L
REIL Rwy 1,10, and 28 L

NE-4, 22 OCT 2009 to 19 NOV 2009

WAAS CH 63011 W19A	APP CRS 194°	Rwy ldg 6750 TDZE 2468 Apt Elev 2504

RNAV (GPS) RWY 19

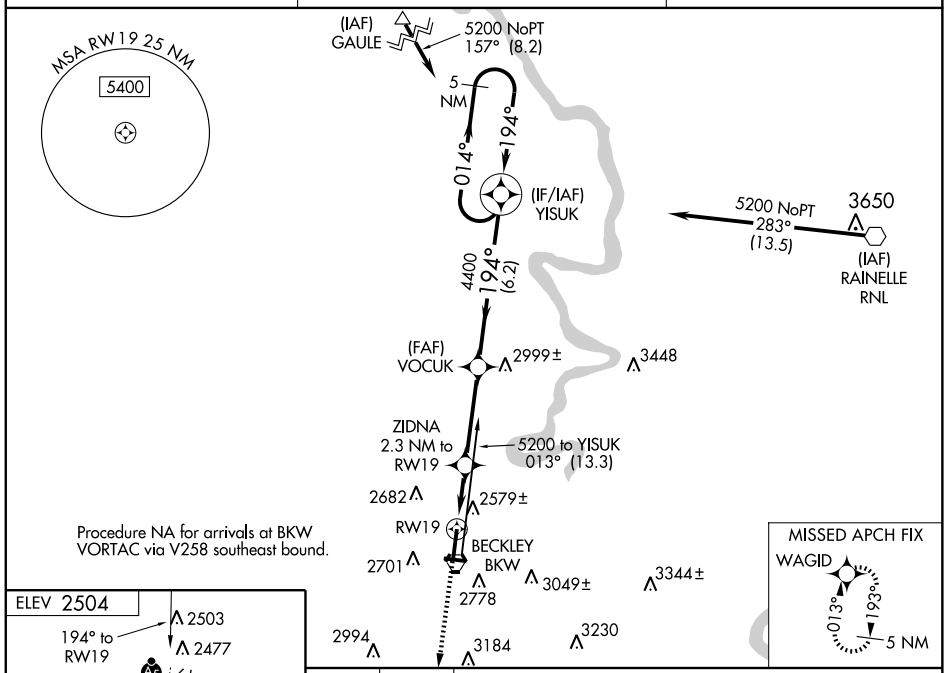
BECKLEY/RALEIGH COUNTY MEMORIAL (BKW)

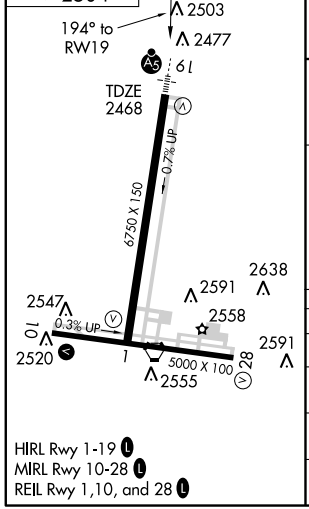
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -20°C (-4°F) or above 44°C (111°F). DME/DME RNP -0.3 NA. VDP and Baro-VNAV NA When using Bluefield altimeter setting. When local altimeter setting not received, use Bluefield altimeter setting and increase all DA/MDA120 feet and increase LPV all Cats visibility ¼ mile, LNAV/VNAV all Cats visibility ½ mile, LNAV Cats C and D visibility ¼ mile, and circling Cats B, C, and D visibility ¼ mile. When using Bluefield altimeter setting, for inoperative MALSR increase LPV all Cats visibility ½ mile.

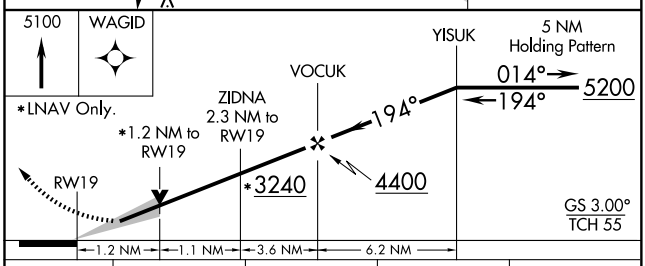
MALSR

MISSED APPROACH: Climb to 5100 direct WAGID and hold.

ASOS	CHARLESTON APP CON	UNICOM
121.55	118.95 269.125	123.0 (CTAF) L







CATEGORY		A	B	C	D
LPV	DA	2668-½ 200 (200-½)			
LNAV/VNAV	DA	2884-1 416 (400-1)			
LNAV MDA		2900-½ 432 (400-½)		2900-¾ 432 (400-¾)	2900-1 432 (400-1)
CIRCLING		3120-1 616 (700-1)	3180-1 676 (700-1)	3180-2 676 (700-2)	3180-2¼ 676 (700-2¼)

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	5000
284°	TDZE	2504
	Apt Elev	2504

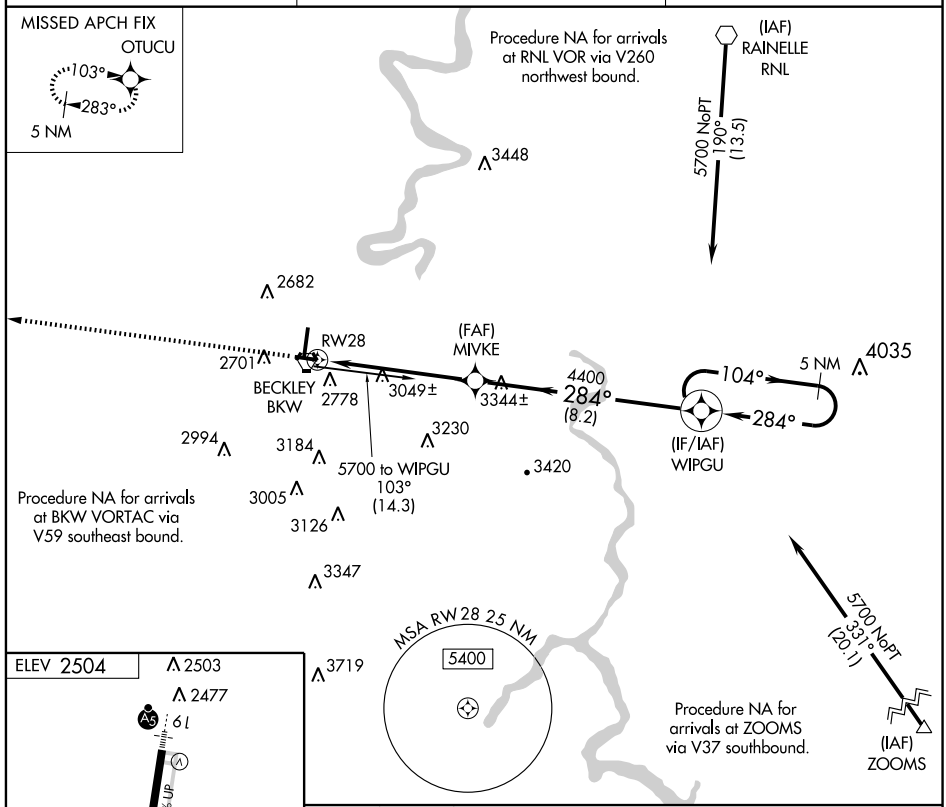
RNAV (GPS) RWY 28

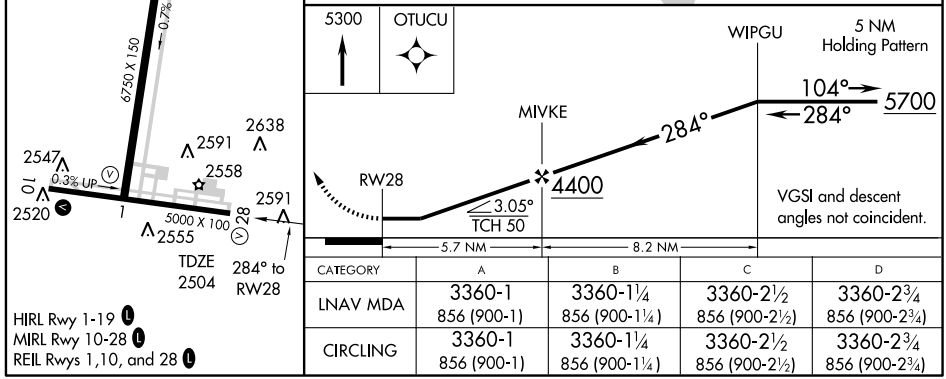
BECKLEY/RALEIGH COUNTY MEMORIAL (BKW)

DME/DME RNP -0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Bluefield altimeter setting and increase all MDA 120 feet and increase all Cats, A, B, and D visibilities ¼ mile and Cat C visibility ½ mile.

MISSED APPROACH: Climb to 5300 direct OTUCU and hold.

ASOS	CHARLESTON APP CON		UNICOM
121.55	118.95	269.125	123.0 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	3360-1 856 (900-1)	3360-1¼ 856 (900-1¼)	3360-2½ 856 (900-2½)	3360-2¾ 856 (900-2¾)
CIRCLING	3360-1 856 (900-1)	3360-1¼ 856 (900-1¼)	3360-2½ 856 (900-2½)	3360-2¾ 856 (900-2¾)

HIRL Rwy 1-19 L
MIRL Rwy 10-28 L
REIL Rwys 1,10, and 28 L

NE-4. 22 OCT 2009 to 19 NOV 2009

VORTAC BKW 117.7 Chan 124	APP CRS 107°	Rwy ldg 5000 TDZE 2502 Apt Elev 2504

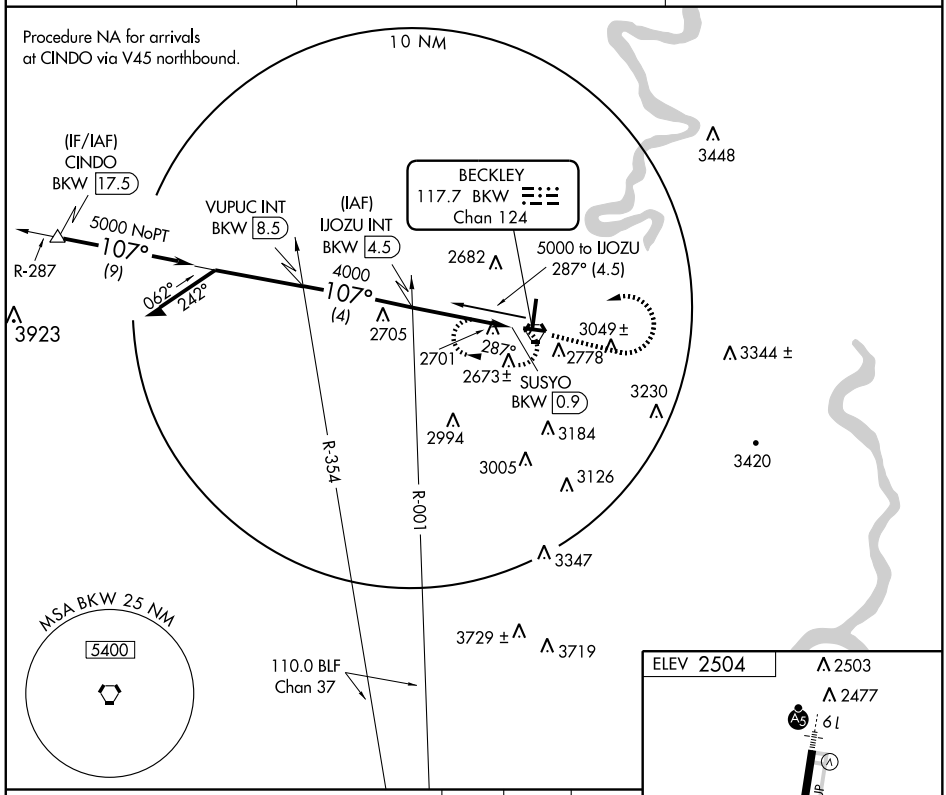
VOR RWY 10

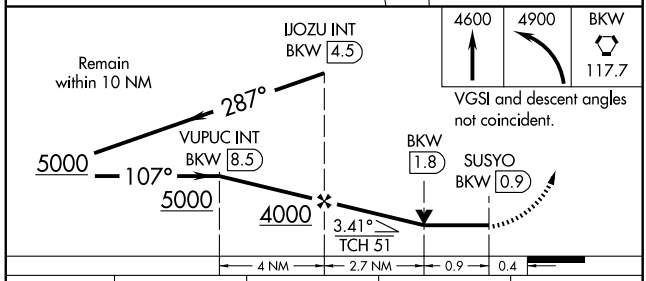
BECKLEY/RALEIGH COUNTY MEMORIAL (BKW)

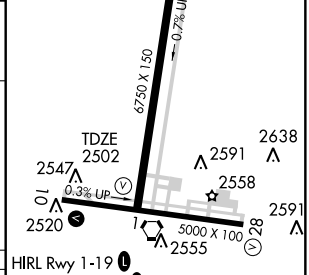
Visibility reduction by helicopters NA.
When local altimeter setting not received use Bluefield altimeter setting and increase all MDA 120 feet and S-10 Cats C and D and Circling Cats B, C and D visibility ¼ mile. VDP NA when using Bluefield altimeter setting.

MISSED APPROACH: Climb to 4600 then climbing left turn to 4900 direct BKW VORTAC and hold.

ASOS	CHARLESTON APP CON	UNICOM
121.55	118.95 269.125	123.0 (CTAF) L







HIRL Rwy 1-19 L
MIRL Rwy 10-28 L
REIL Rwy 1,10, and 28 L

CATEGORY	A	B	C	D
S-10	2960-1	458 (500-1)	2960-1¼ 458 (500-1¼)	2960-1½ 458 (500-1½)
CIRCLING	3120-1 616 (700-1)	3180-1 676 (700-1)	3180-2 676 (700-2)	3180-2¼ 676 (700-2¼)

FAF to MAP 3.6 NM

Knots	60	90	120	150	180
Min:Sec	3:36	2:24	1:48	1:26	1:12

NE-4, 22 OCT 2009 to 19 NOV 2009

VORTAC BKW 117.7 Chan 124	APP CRS 188°	Rwy ldg 6750 TDZE 2468 Apt Elev 2504

VOR RWY 19

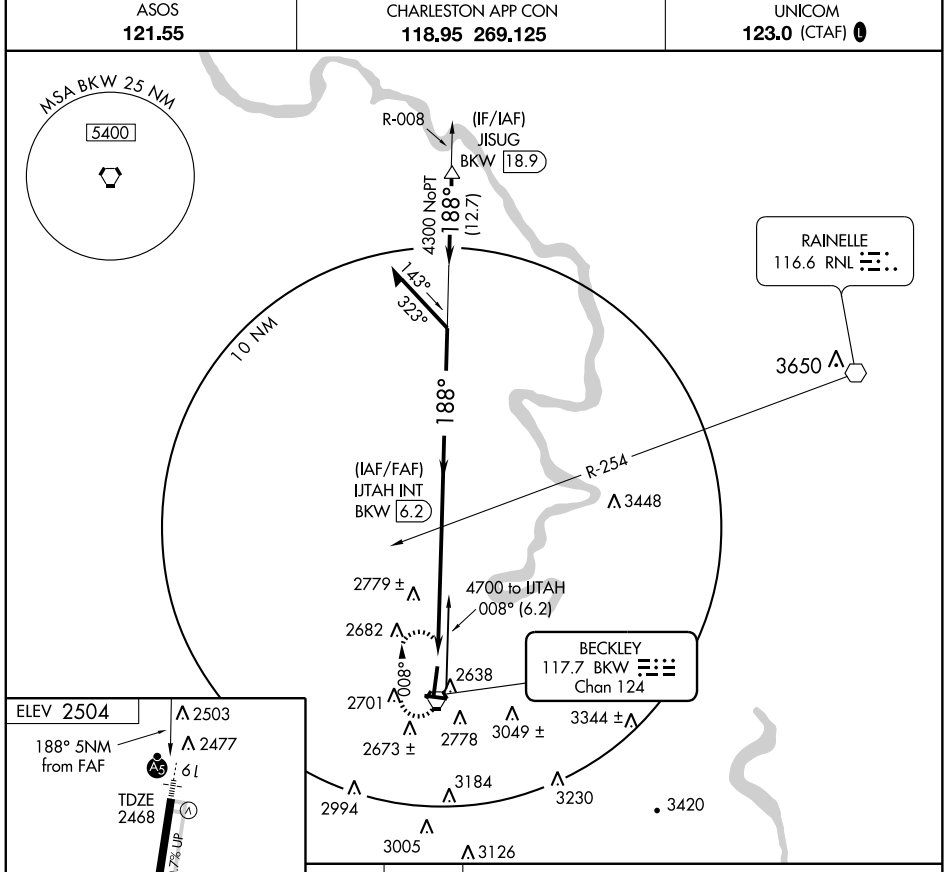
BECKLEY/RALEIGH COUNTY MEMORIAL (BKW)

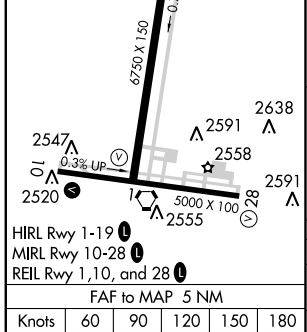
When local altimeter setting not received, use Bluefield altimeter setting and increase all MDA 120 feet and S-19 Cats C and D visibility ½ mile and Circling Cats B, C, and D visibility ¼ mile. VDP NA when using Bluefield altimeter setting.

MALSR

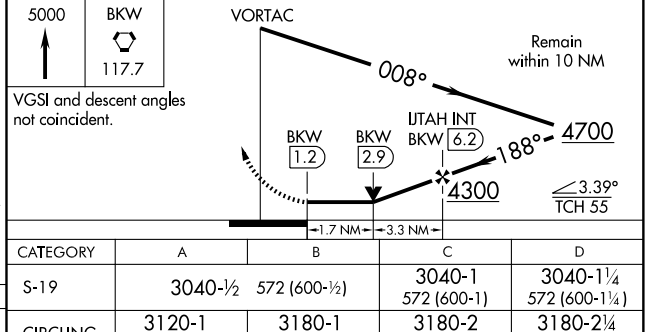
MISSED APPROACH: Climb to 5000 direct BKW VORTAC and hold, continue climb-in-hold to 5000.

ASOS	CHARLESTON APP CON	UNICOM
121.55	118.95 269.125	123.0 (CTAF) L





FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40



CATEGORY	A	B	C	D
S-19	3040-½ 572 (600-½)		3040-1 572 (600-1)	3040-1¼ 572 (600-1¼)
CIRCLING	3120-1 616 (700-1)	3180-1 676 (700-1)	3180-2 676 (700-2)	3180-2¼ 676 (700-2¼)

NE-4, 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	4985
110°	TDZE	412
	Apt Elev	412

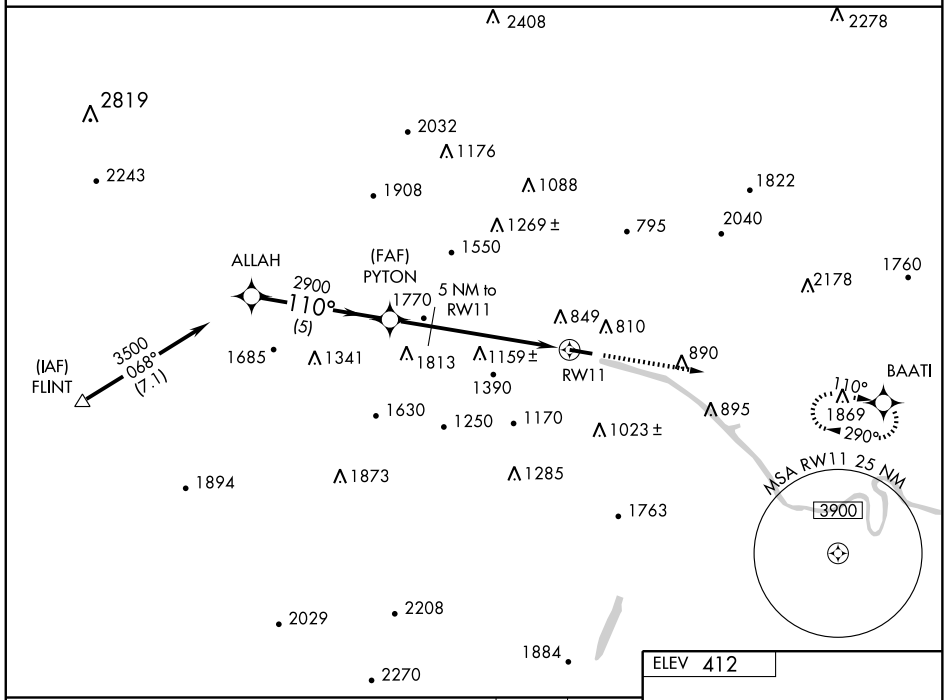
GPS RWY 11

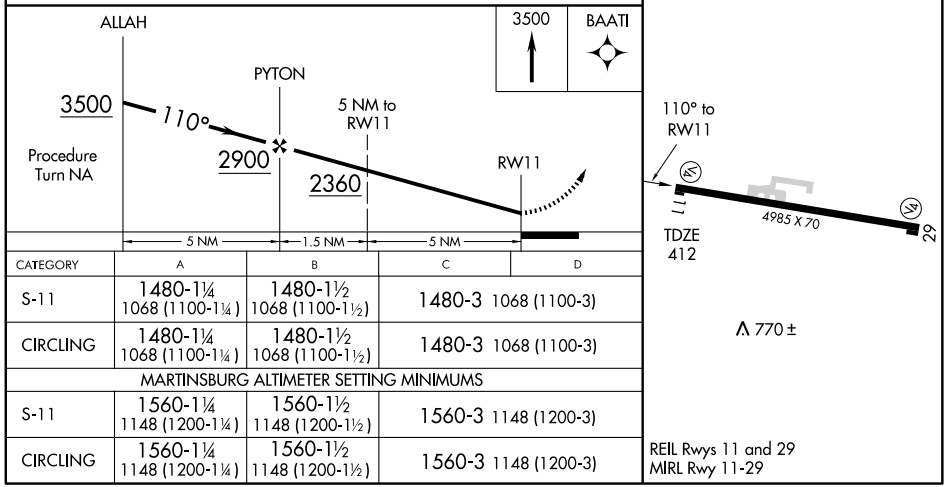
BERKELEY SPRINGS/POTOMAC AIRPARK (W35)

NA

MISSED APPROACH: Climb to 3500 direct BAATI WP and hold.

WASHINGTON CENTER
134.15 385.4





CATEGORY	A	B	C	D
S-11	1480-1¼ 1068 (1100-1¼)	1480-1½ 1068 (1100-1½)	1480-3 1068 (1100-3)	
CIRCLING	1480-1¼ 1068 (1100-1¼)	1480-1½ 1068 (1100-1½)	1480-3 1068 (1100-3)	
MARTINSBURG ALTIMETER SETTING MINIMUMS				
S-11	1560-1¼ 1148 (1200-1¼)	1560-1½ 1148 (1200-1½)	1560-3 1148 (1200-3)	
CIRCLING	1560-1¼ 1148 (1200-1¼)	1560-1½ 1148 (1200-1½)	1560-3 1148 (1200-3)	

REIL Rwys 11 and 29
MIRL Rwy 11-29

NE-4. 22 OCT 2009 to 19 NOV 2009

BERKELEY SPRINGS, WEST VIRGINIA

AL-5997 (FAA)

APP CRS	Rwy ldg	4985
290°	TDZE	412
	Apt Elev	412

GPS RWY 29

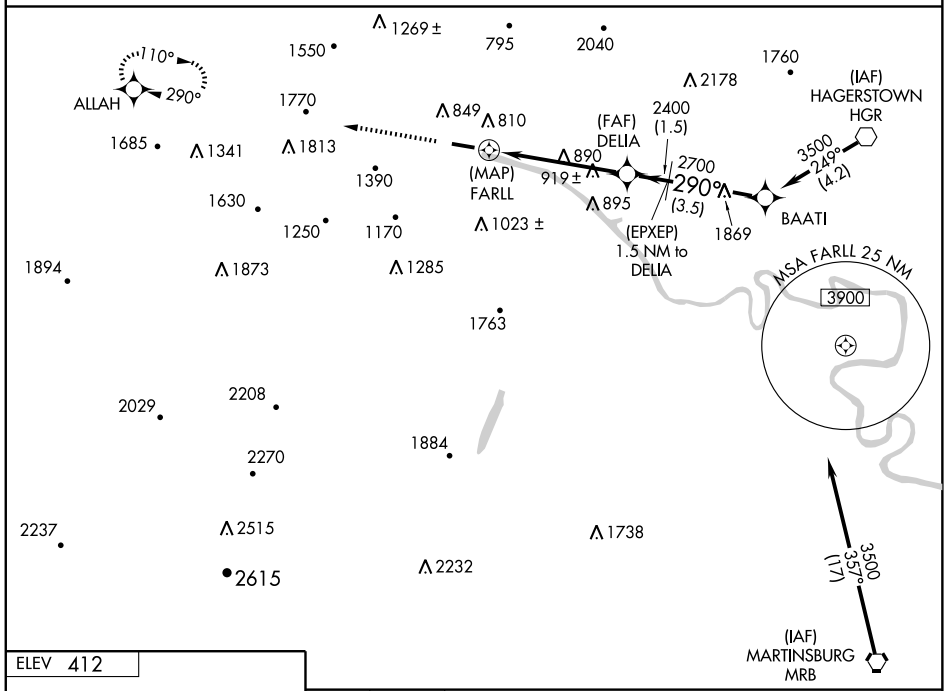
BERKELEY SPRINGS/POTOMAC AIRPARK (W35)

Obtain local altimeter setting on CTAF; when not received, use Martinsburg altimeter setting.

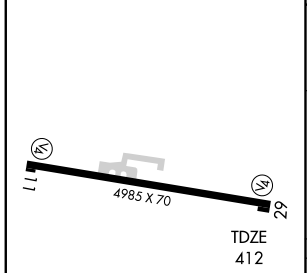
NA

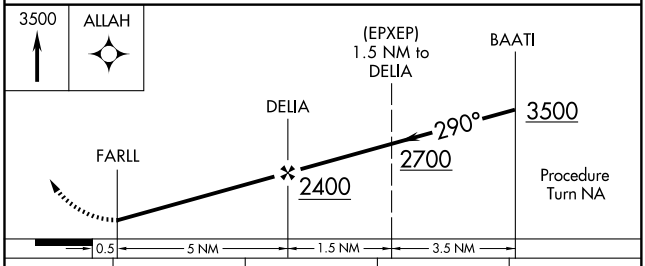
MISSED APPROACH: Climb to 3500 direct ALLAH WP and hold.

WASHINGTON CENTER
134.15 385.4



ELEV 412





CATEGORY	A	B	C	D
S-29	1280-1 868 (900-1)	1280-1¼ 868 (900-1¼)	1280-2½ 868 (900-2½)	1280-2¾ 868 (900-2¾)
CIRCLING	1340-1¼ 928 (1000-1¼)	1400-1½ 988 (1000-1½)	1400-3 988 (1000-3)	
MARTINSBURG ALTIMETER SETTING MINIMUMS				
S-29	1340-1¼ 928 (1000-1¼)		1340-2¾ 928 (1000-2¾)	1340-3 928 (1000-3)
CIRCLING	1420-1¼ 1008 (1100-1¼)	1480-1½ 1068 (1100-1½)	1480-3 1068 (1100-3)	

REIL Rwys 11 and 29
MIRL Rwy 11-29

NE-4. 22 OCT 2009 to 19 NOV 2009

VOR HGR	APP CRS	Rwy ldg	4985
109.8	276°	TDZE	412
		Apt Elev	412

VOR RWY 29

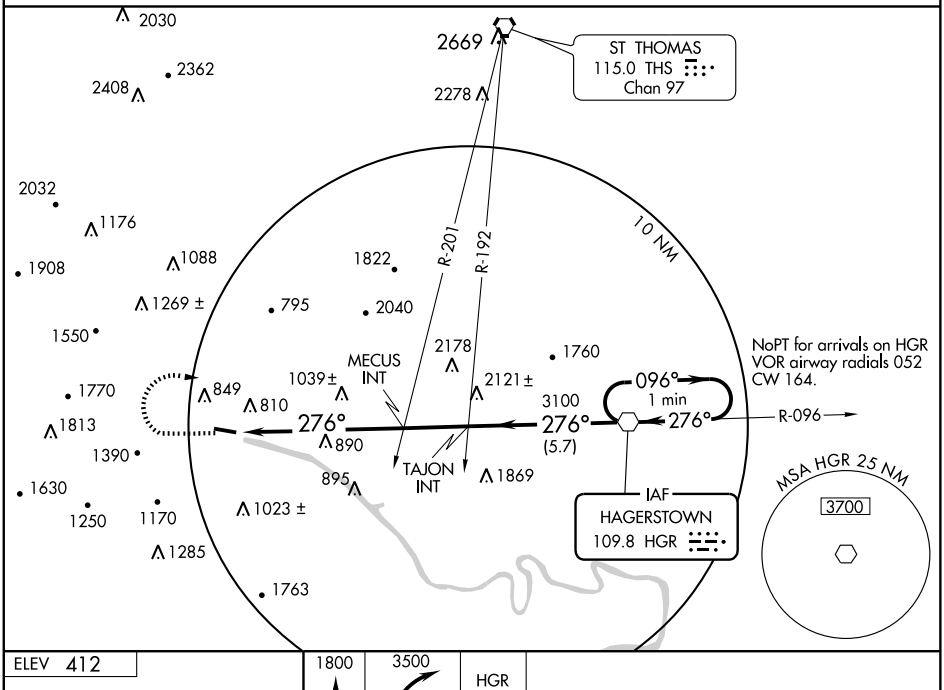
BERKELEY SPRINGS/POTOMAC AIRPARK (W35)

Obtain local altimeter setting on CTAF; when not received, use Martinsburg altimeter setting.

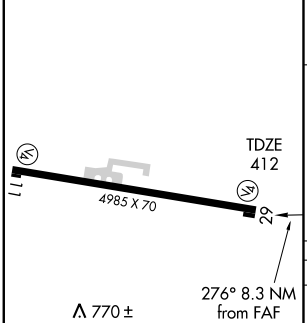
NA

MISSED APPROACH: Climb to 1800 then climbing right turn to 3500 via HGR R-276 to HGR VOR and hold.

WASHINGTON CENTER
134.15 385.4

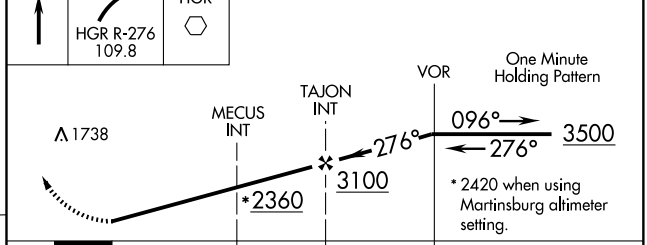


ELEV 412



REIL Rwys 11 and 29
MIRL Rwy 11-29

FAF to MAP 8.3 NM					
Knots	60	90	120	150	180
Min:Sec	8:18	5:32	4:09	3:19	2:46



CATEGORY	A	B	C	D
S-29	1400-1¼ 988 (1000-1¼)	1400-1½ 988 (1000-1½)	1400-3 988 (1000-3)	
CIRCLING	1400-1¼ 988 (1000-1¼)	1400-1½ 988 (1000-1½)	1400-3 988 (1000-3)	
MARTINSBURG ALTIMETER SETTING MINIMUMS				
S-29	1460-1¼ 1048 (1100-1¼)	1460-1½ 1048 (1100-1½)	1460-3 1048 (1100-3)	
CIRCLING	1460-1¼ 1048 (1100-1¼)	1480-1½ 1068 (1100-1½)	1480-3 1068 (1100-3)	

LOC I-BLF	APP CRS	Rwy ldg	4743
109.5	227°	TDZE	2857
		Apt Elev	2857

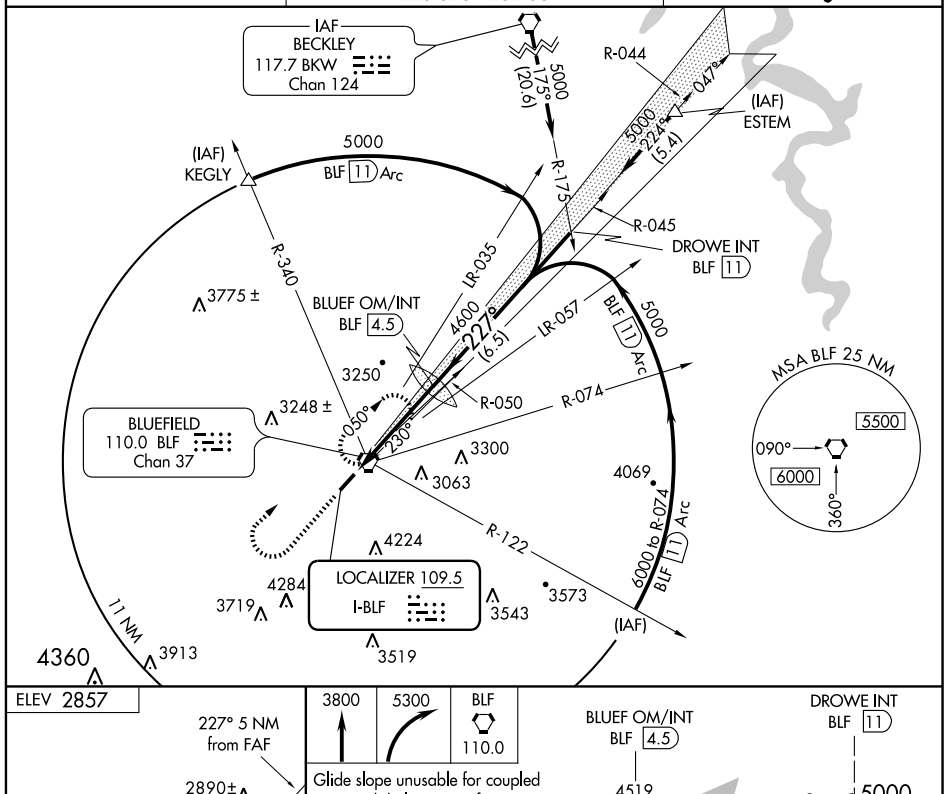
ILS RWY 23

BLUEFIELD / MERCER COUNTY (BLF)

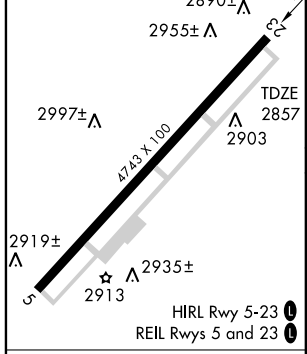
Circling not authorized East of Rwy 5-23.
NA When local altimeter setting not received, use Beckley altimeter setting.

MISSED APPROACH: Climb to 3800 then climbing right turn to 5300 direct BLF VORTAC and hold.

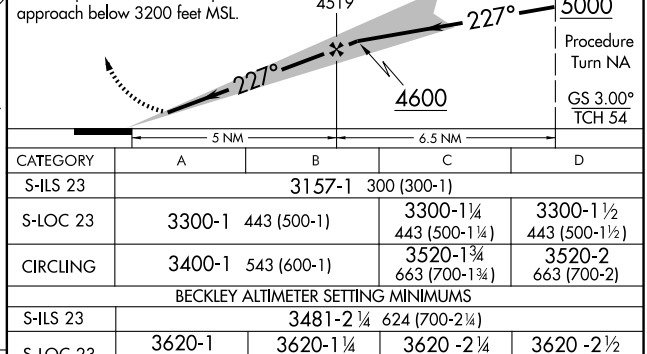
ASOS	INDIANAPOLIS CENTER	CTAF
132.725	126.575 257.85	122.9



ELEV 2857



FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

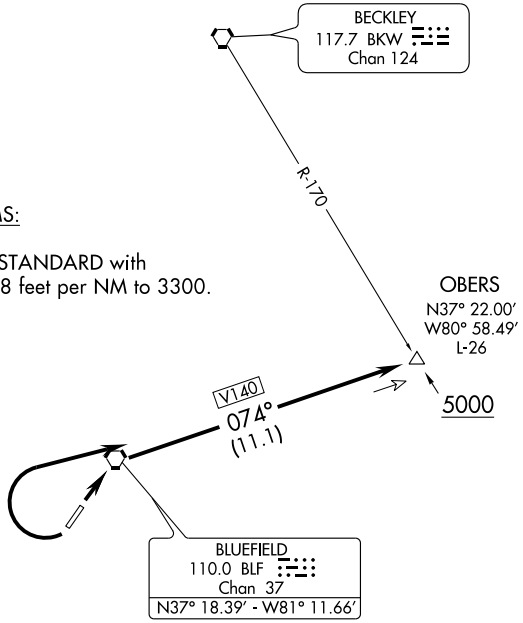


CATEGORY	A	B	C	D
S-ILS 23	3157-1 300 (300-1)			
S-LOC 23	3300-1 443 (500-1)		3300-1¼ 443 (500-1¼)	3300-1½ 443 (500-1½)
CIRCLING	3400-1 543 (600-1)		3520-1¾ 663 (700-1¾)	3520-2 663 (700-2)
BECKLEY ALTIMETER SETTING MINIMUMS				
S-ILS 23	3481-2¼ 624 (700-2¼)			
S-LOC 23	3620-1 763 (800-1)	3620-1¼ 763 (800-1¼)	3620 -2¼ 763 (800-2¼)	3620 -2½ 763 (800-2½)
CIRCLING	3720-1 863 (900-1)	3720-1¼ 863 (900-1¼)	3840-3 983 (1000-3)	

NE-4. 22 OCT 2009 to 19 NOV 2009

OBERS THREE DEPARTURE

INDANAPOLIS CENTER
126.575 257.85
CTAF 122.9 L
ASOS 132.725



TAKE-OFF MINIMUMS:
Rwy 5: STANDARD.
Rwy 23: 400-2¼ or STANDARD with minimum climb of 238 feet per NM to 3300.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 5: Climb via BLF R-074 to cross OBERS INT at or above 5000′ or altitude assigned by ATC. Thence . . . .

TAKE-OFF RUNWAY 23: Climbing right turn via BLF R-074 to cross OBERS INT at or above 5000′ or altitude assigned by ATC. Thence . . . .

. . . . via ATC assigned route.

TAKE-OFF OBSTACLES

Rwy 5: Trees beginning 14′ from DER, 370′ left of centerline, up to 100′ AGL/2939′ MSL.
Trees beginning 15′ from DER, 391′ right of centerline, up to 100′ AGL/2959′ MSL.

Rwy 23: Trees beginning at DER, 258′ left of centerline up to 100′ AGL/2939′ MSL.
Trees beginning 140′ from DER, 74′ right of centerline, up to 100′ AGL/3159′ MSL.

NE-4, 22 OCT 2009 to 19 NOV 2009

VORTAC BLF 110.0 Chan 37	APP CRS 231°	Rwy ldg 4743 TDZE 2857 Apt Elev 2857

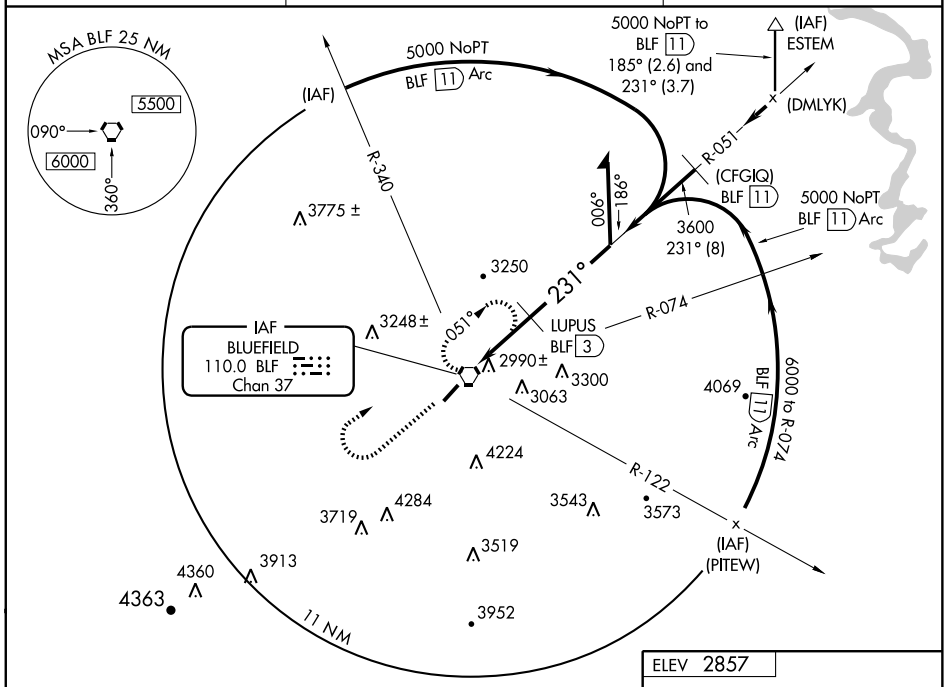
VOR/DME or GPS RWY 23

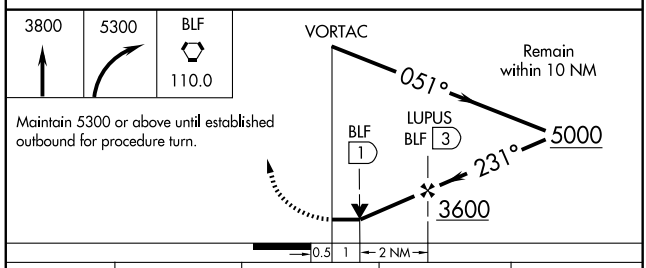
BLUEFIELD / MERCER COUNTY (BLF)

When local altimeter setting not received, use Beckley altimeter setting.
Circling NA east of Rwy 5-23.

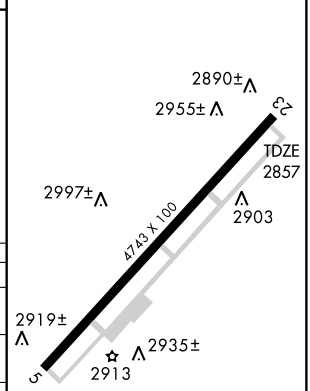
MISSED APPROACH: Climb to 3800 then climbing right turn to 5300 direct BLF VORTAC and hold.

ASOS	INDIANAPOLIS CENTER	CTAF
132.725	126.575 257.85	122.9 L





Maintain 5300 or above until established outbound for procedure turn.



CATEGORY	A	B	C	D
S-23	3400-1 543 (600-1)		3400-1½ 543 (600-1½)	3400-1¾ 543 (600-1¾)
CIRCLING	3400-1 543 (600-1)		3520-1¾ 663 (700-1¾)	3520-2 663 (700-2)
BECKLEY ALTIMETER SETTING MINIMUMS				
S-23	3740-1¼ 883 (900-1¼)		3740-2¾ 883 (900-2¾)	3740-3 883 (900-3)
CIRCLING	3740-1¼ 883 (900-1¼)		3840-3 983 (1000-3)	

HIRL Rwy 5-23 L
REIL Rwys 5 and 23 L

NE-4, 22 OCT 2009 to 19 NOV 2009

VORTAC BLF 110.0 Chan 37	APP CRS 231°	Rwy ldg 4743 TDZE 2857 Apt Elev 2857

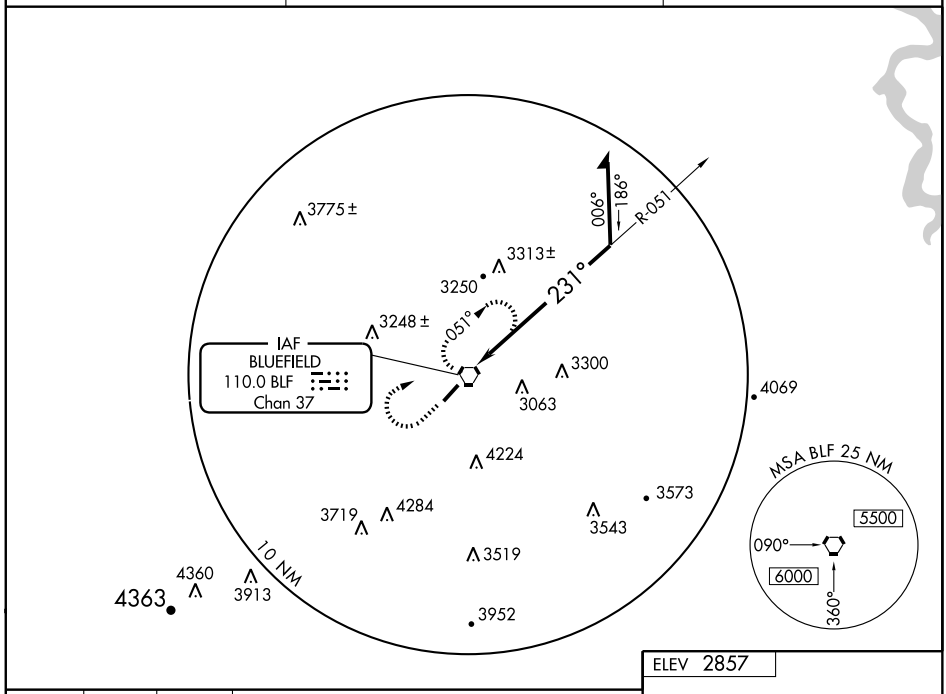
VOR RWY 23

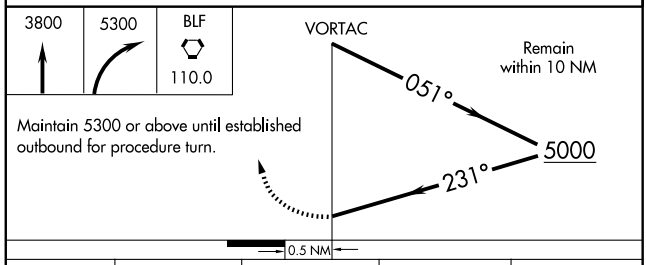
BLUEFIELD / MERCER COUNTY (BLF)

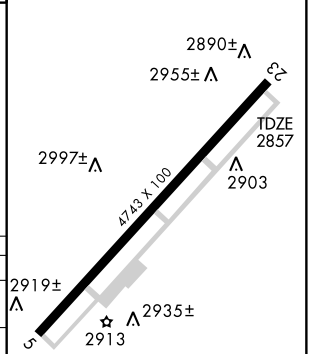
When local altimeter setting not received, use Beckley altimeter setting.
Circling not authorized E of Rwy 5-23.

MISSED APPROACH: Climb to 3800 then climbing right turn to 5300 direct BLF VORTAC and hold.

ASOS	INDIANAPOLIS CENTER	CTAF
132.725	126.575 257.85	122.9 L







CATEGORY	A	B	C	D
S-23	3500-1 643 (700-1)		3500-1¾ 643 (700-1¾)	3500-2 643 (700-2)
CIRCLING	3500-1 643 (700-1)		3520-1¾ 663 (700-1¾)	3520-2 663 (700-2)
BECKLEY ALTIMETER SETTING MINIMUMS				
S-23	3840-1¼ 983 (1000-1¼)	3840-1½ 983 (1000-1½)	3840-3 983 (1000-3)	
CIRCLING	3840-1¼ 983 (1000-1¼)	3840-1½ 983 (1000-1½)	3840-3 983 (1000-3)	

HIRL Rwy 5-23 L
REIL Rwys 5 and 23 L

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	4200
106°	TDZE	1635
	Apt Elev	1635

RNAV (GPS) RWY 11

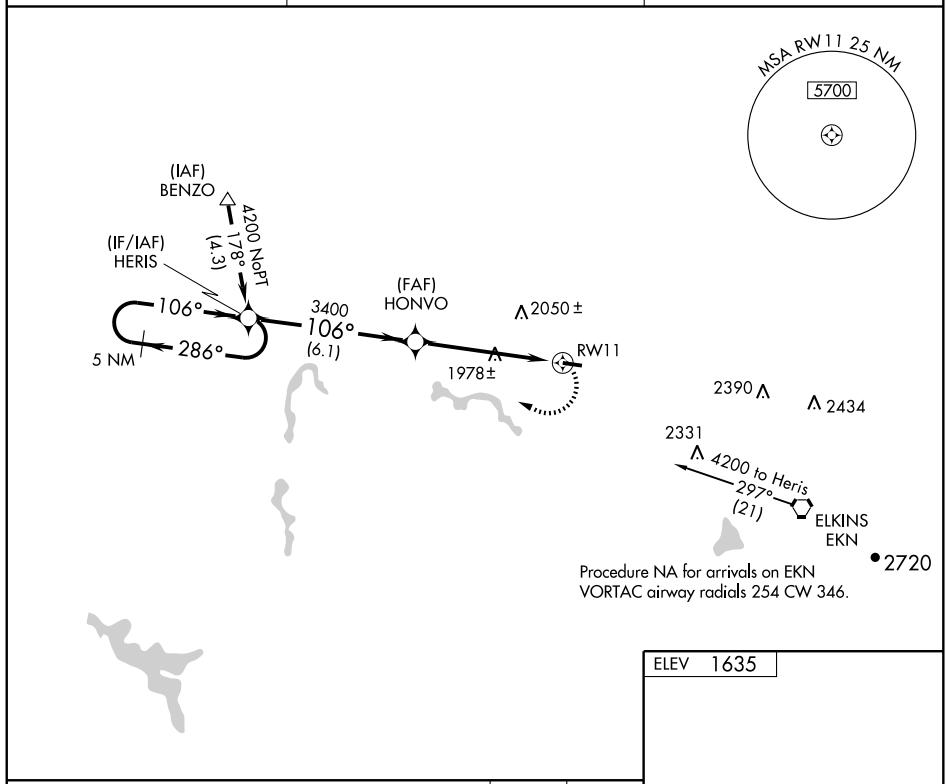
BUCKHANNON/UPSHUR COUNTY RGNL (W22)

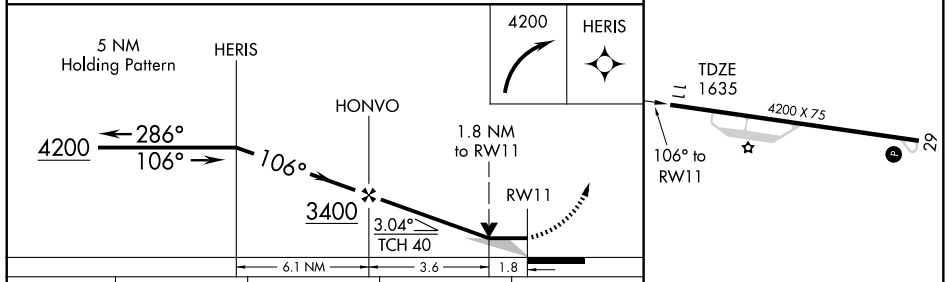
NA

DME/DME RNP-0.3 NA. If local altimeter setting not received, use Clarksburg altimeter setting and increase all MDAs 180 feet. VDP NA when using Clarksburg altimeter setting.

MISSED APPROACH: Climbing right turn to 4200 direct HERIS and hold.

AWOS-3	CLARKSBURG APP CON		UNICOM
119.975	121.15	269.375	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	2240-1 605 (700-1)		NA	
CIRCLING	2260-1 625 (700-1)		NA	

MIRL Rwy 11-29 L
REIL Rwy 29 L

APP CRS	Rwy ldg	4200
301°	TDZE	1635
	Apt Elev	1635

RNAV (GPS) RWY 29

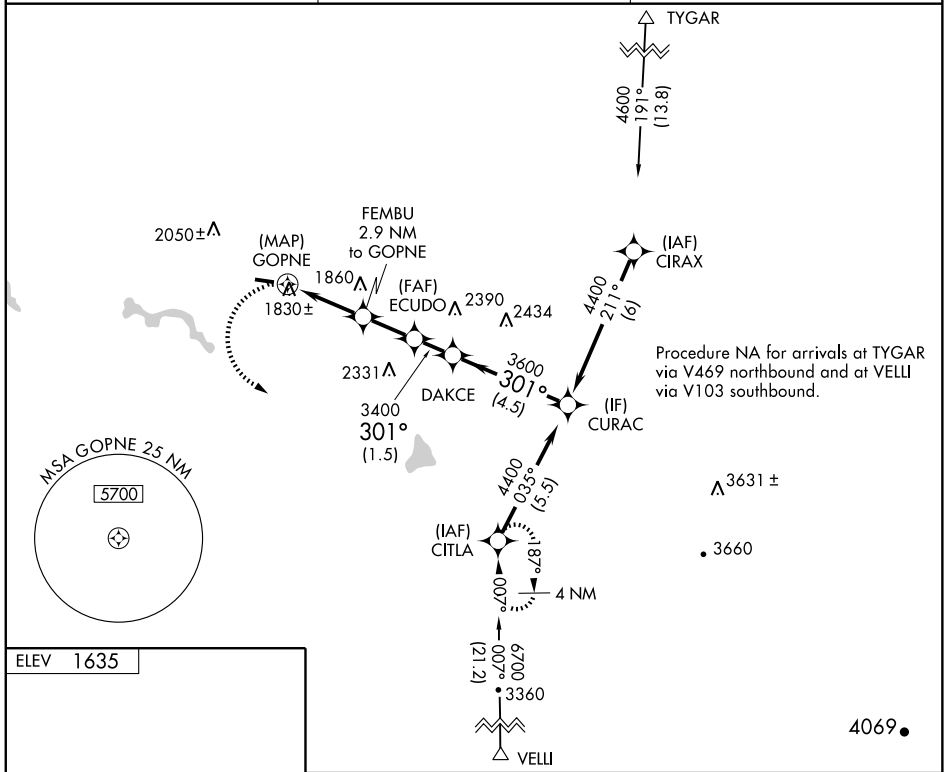
BUCKHANNON/UPSHUR COUNTY RGNL (W22)

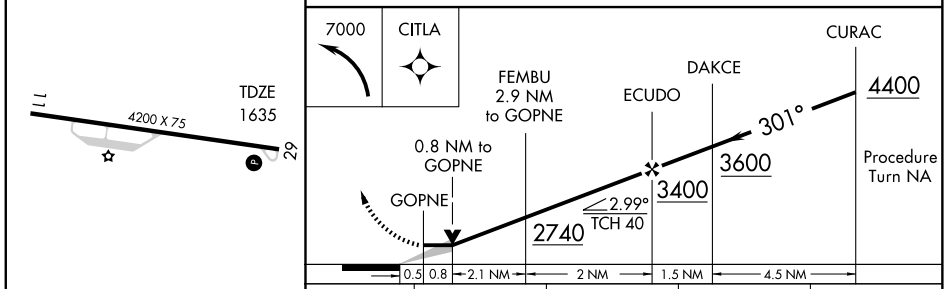
DME/DME RNP-0.3 NA. If local altimeter setting not received, use Clarksburg altimeter setting and increase all MDAs 180 feet. VDP NA when using Clarksburg altimeter setting.

NA

MISSED APPROACH: Climbing left turn to 7000 direct CITLA and hold, continue climb-in-hold to 7000.

AWOS-3	CLARKSBURG APP CON	UNICOM
119.975	121.15 269.375	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	2080-1 445 (500-1)		NA	
CIRCLING	2260-1 625 (700-1)		NA	

MIRL Rwy 11-29 L
REIL Rwy 29 L

BUCKHANNON, WEST VIRGINIA

AL-10280 (FAA)

VORTAC EKN 114.2 Chan 89	APP CRS 309°	Rwy ldg N/A TDZE N/A Apt Elev 1635

VOR-A

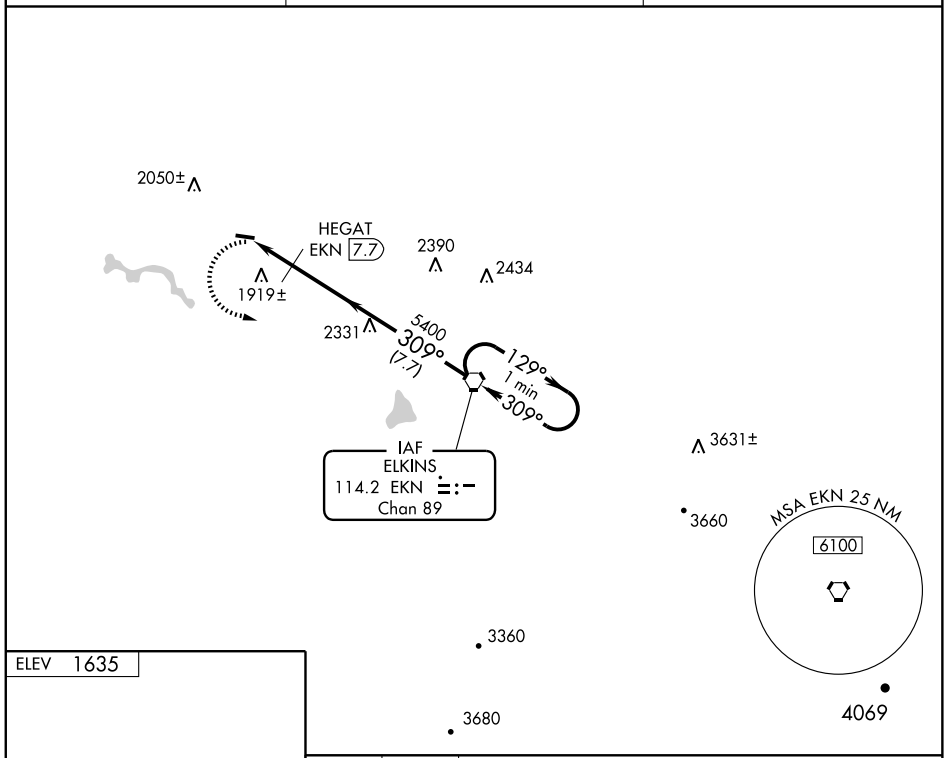
BUCKHANNON/ UPSHUR COUNTY RGNL (W22)

T NA

If local altimeter setting not received, use Clarksburg altimeter setting and increase all MDAs 180 feet.

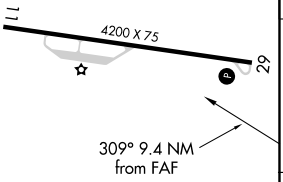
MISSED APPROACH: Climbing left turn to 5400 direct EKN VORTAC and hold, continue climb-in-hold to 5400.

AWOS-3	CLARKSBURG APP CON	UNICOM
119.975	121.15 269.375	122.8 (CTAF) L



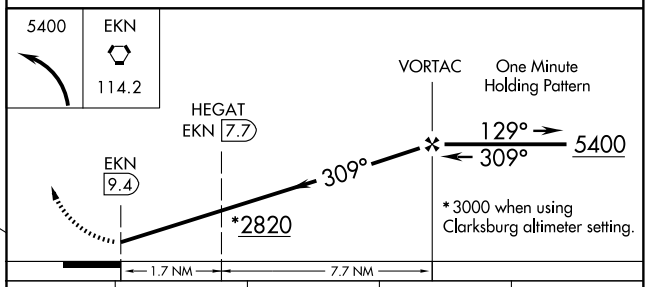
NE-4, 22 OCT 2009 to 19 NOV 2009

ELEV 1635



MIRL Rwy 11-29 L
REIL Rwy 29 L

FAF to MAP 9.4 NM					
Knots	60	90	120	150	180
Min:Sec	9:24	6:16	4:42	3:46	3:08



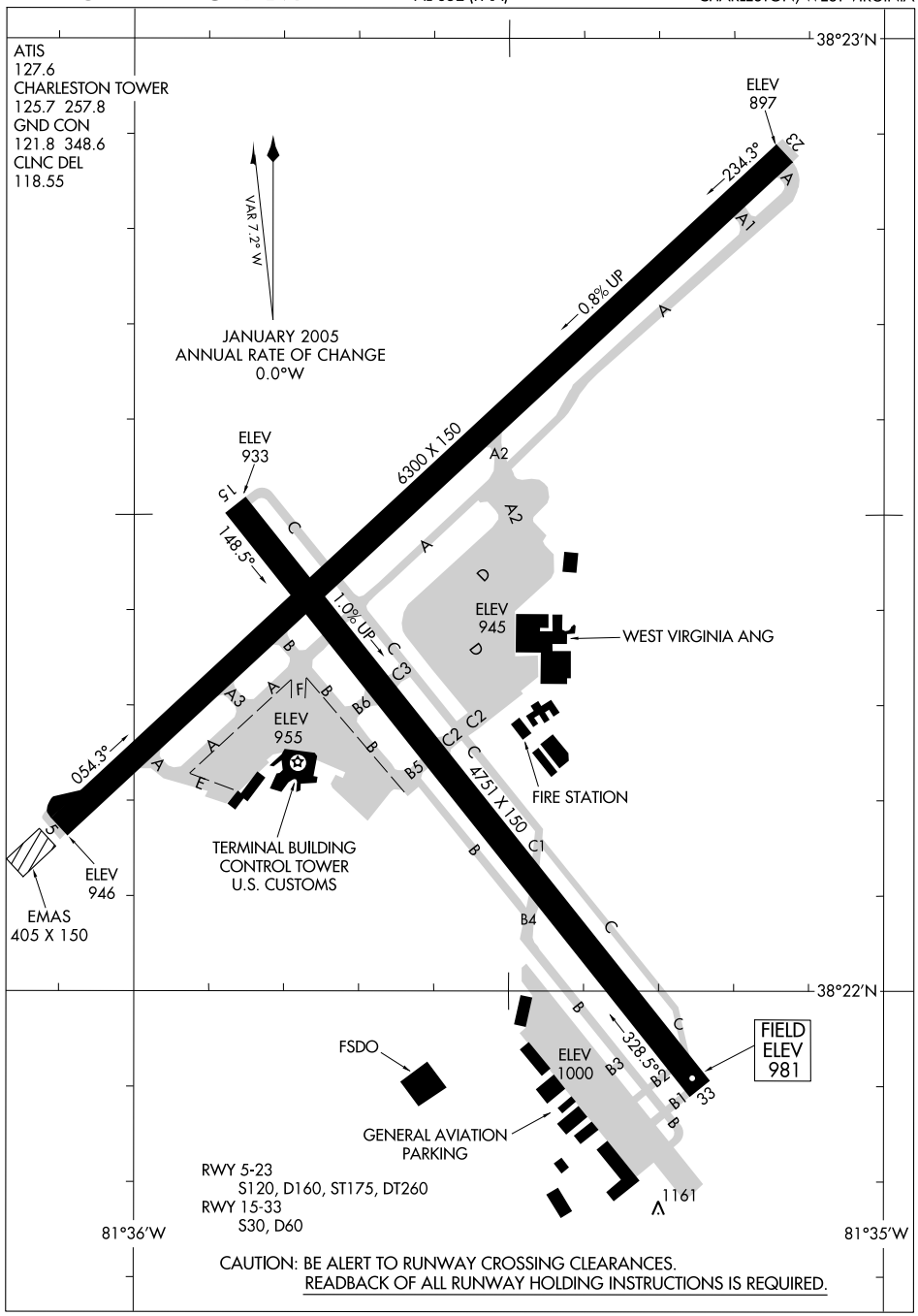
CATEGORY	A	B	C	D
CIRCLING	2820-1¼ 1185 (1200-1¼)	2820-1½ 1185 (1200-1½)	NA	
HEGAT FIX MINIMUMS				
CIRCLING	2260-1 625 (700-1)		NA	

09183

AIRPORT DIAGRAM

AL-852 (FAA)

CHARLESTON/ YEAGER (CRW)
CHARLESTON, WEST VIRGINIA



NE-4, 22 OCT 2009 to 19 NOV 2009

LOC/DME I-HCV	APP CRS	Rwy ldg	6300
110.3	052°	TDZE	947
Chan 40		Apt Elev	981

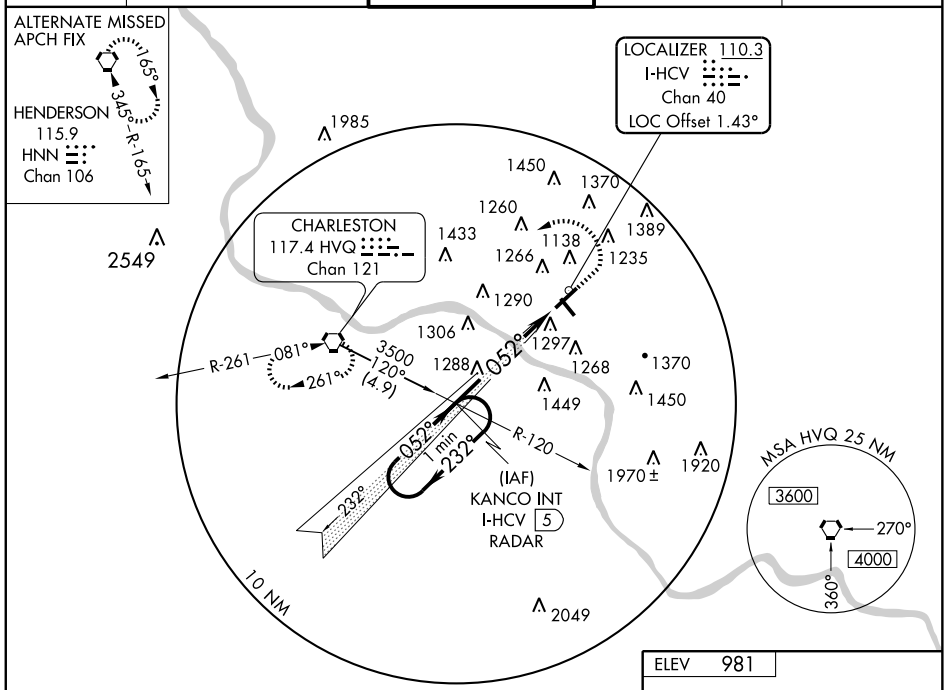
ILS or LOC RWY 5

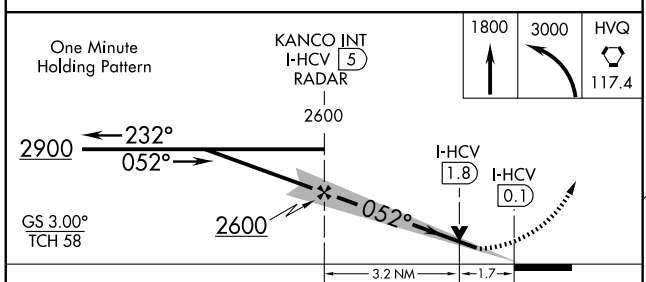
CHARLESTON / YEAGER (CRW)

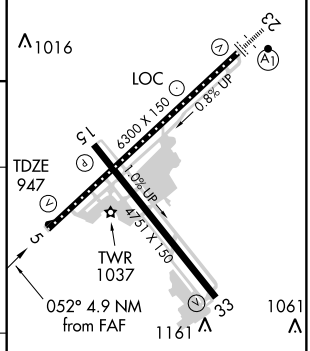
Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 1800 then climbing left turn to 3000 direct HVQ VORTAC and hold.

ATIS	CHARLESTON APP CON	CHARLESTON TOWER	GND CON	CLNC DEL
127.6	124.1 269.125	125.7 257.8	121.8 348.6	118.55







HIRL Rwy 5-23
MIRL Rwy 15-33
REIL Rwys 5 and 15

CATEGORY	A	B	C	D
S-ILS 5	1415-1½ 468 (500-1½)			
S-LOC 5	1540/50 593 (600-1)		1540-1½ 593 (600-1½)	1540-1¾ 593 (600-1¾)
CIRCLING	1600-1 619 (700-1)		1600-1¾ 619 (700-1¾)	1620-2 639 (700-2)

FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

NE-4. 22 OCT 2009 to 19 NOV 2009

LOC/DME I-CRW	APP CRS	Rwy ldg	6300
110.3	235°	TDZE	931
Chan 40		Apt Elev	981

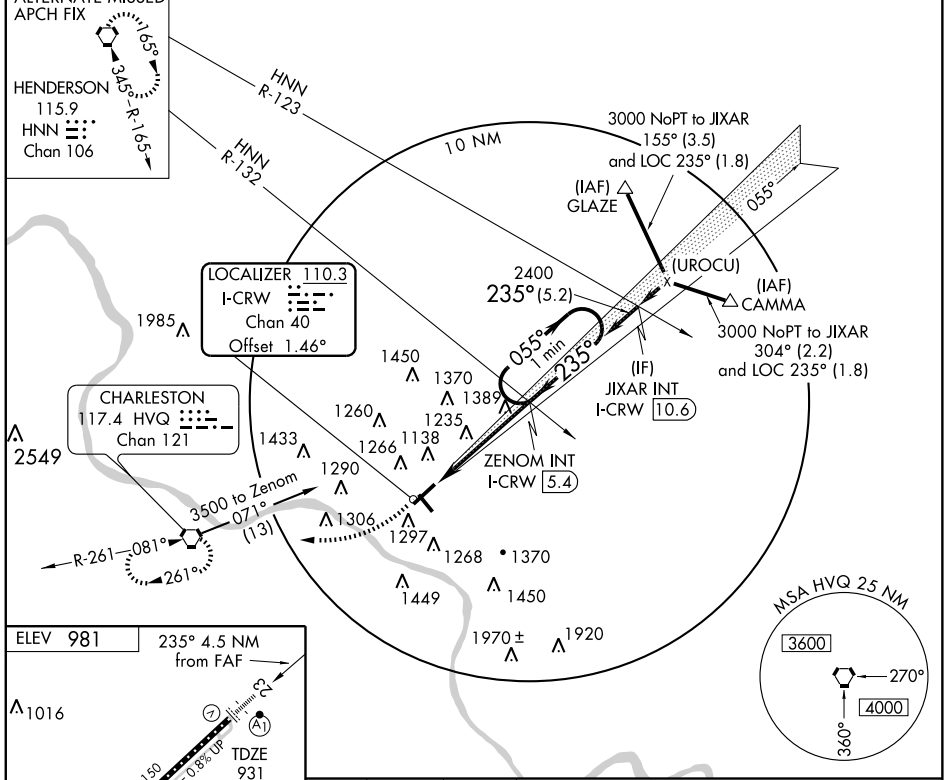
ILS or LOC RWY 23

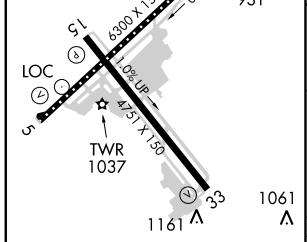
CHARLESTON / YEAGER (CRW)

ALSF-1

MISSED APPROACH: Climb to 1800 then climbing right turn to 3000 direct HVQ VORTAC and hold.

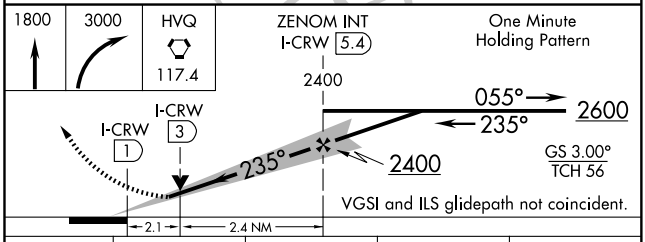
ATIS	CHARLESTON APP CON	CHARLESTON TOWER	GND CON	CLNC DEL
127.6	124.1 269.125	125.7 257.8	121.8 348.6	118.55





HIRL Rwy 5-23
MIRL Rwy 15-33
REIL Rwys 5 and 15

FAF to MAP 4.5 NM					
Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30



CATEGORY	A	B	C	D
S-ILS 23	1181/24 250 (200-½)			
S-LOC 23	1640/24 709 (700-½)		1640-1½ 709 (700-1½)	1640-1¾ 709 (700-1¾)
CIRCLING	1640-1 659 (700-1)		1640-2 659 (700-2)	1640-2¼ 659 (700-2¼)

NE-4, 22 OCT 2009 to 19 NOV 2009

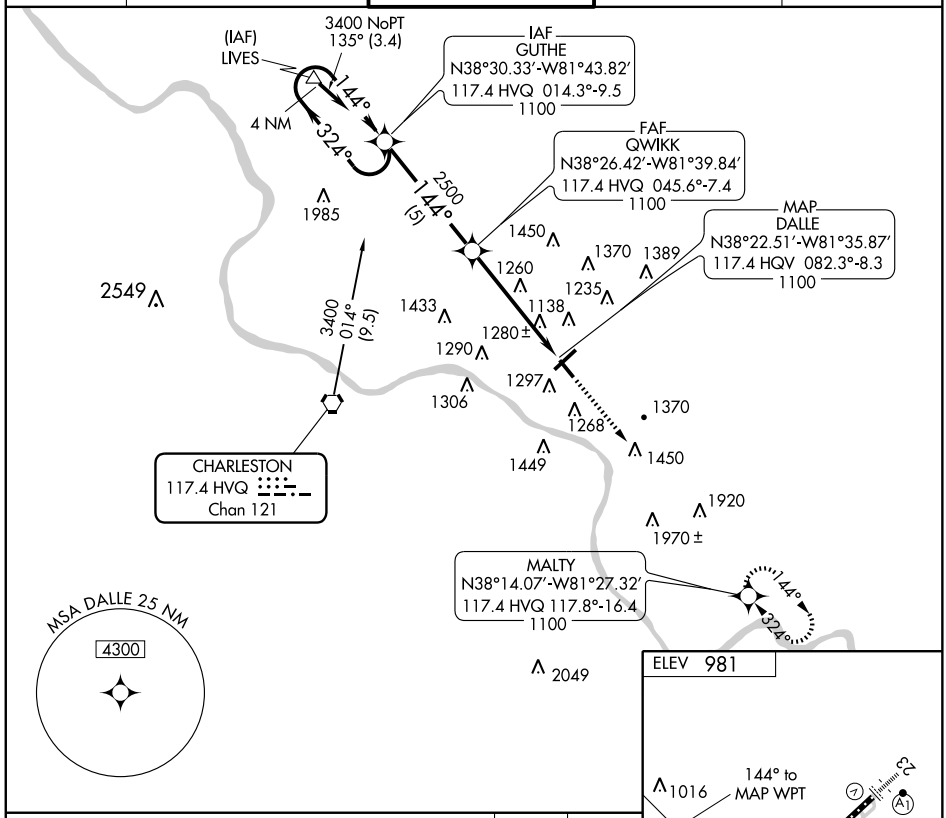
VORTAC HVQ 117.4 Chan 121	APP CRS 144°	Rwy ldg 4751 TDZE 964 Apt Elev 981

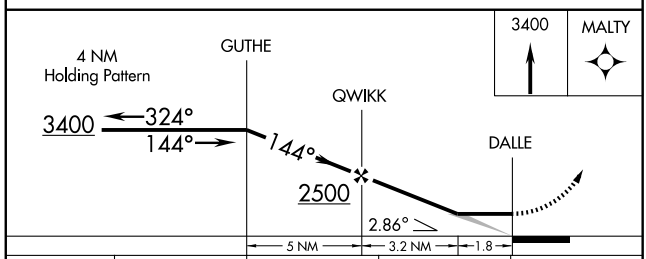
VOR/DME RNAV or GPS RWY 15

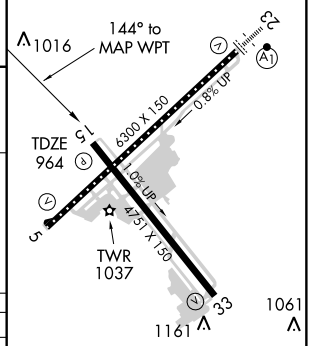
CHARLESTON / YEAGER (CRW)

MISSED APPROACH: Climb to 3400 direct MALTY WPT and hold.

ATIS	CHARLESTON APP CON	CHARLESTON TOWER	GND CON	CLNC DEL
127.6	124.1 269.125	125.7 257.8	121.8 348.6	118.55







CATEGORY	A	B	C	D
S-15	1540-1 576 (600-1)		1540-1½ 576 (600-1½)	1540-1¾ 576 (600-1¾)
CIRCLING	1600-1 619 (700-1)		1600-1¾ 619 (700-1¾)	1620-2 639 (700-2)

HIRL Rwy 5-23
MIRL Rwy 15-33
REIL Rwys 5 and 15

NE-4. 22 OCT 2009 to 19 NOV 2009

CHARLESTON, WEST VIRGINIA

AL-852 (FAA)

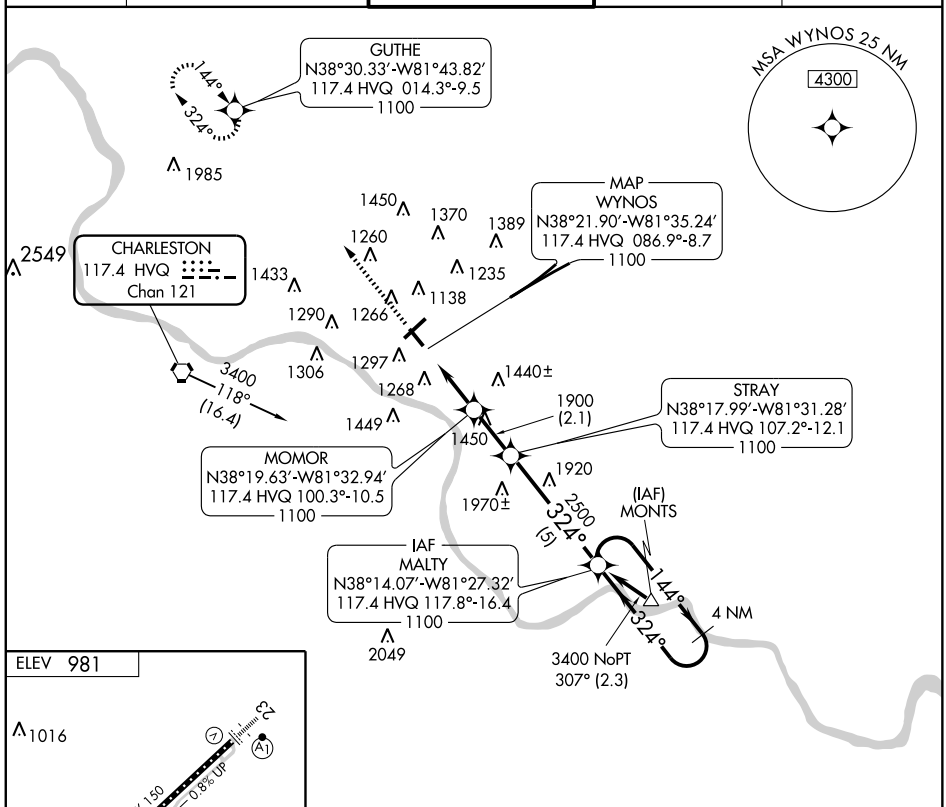
VORTAC HVQ 117.4 Chan 121	APP CRS 324°	Rwy ldg 4751 TDZE 982 Apt Elev 981

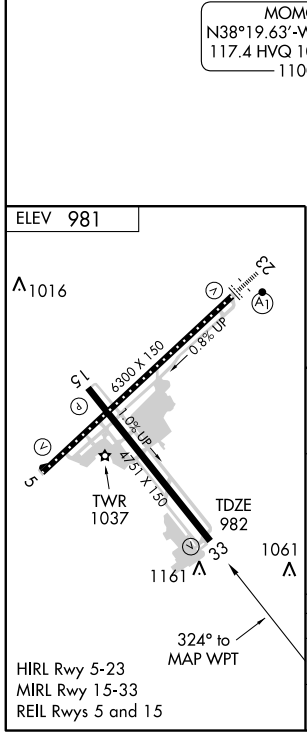
VOR/DME RNAV or GPS RWY 33

CHARLESTON / YEAGER (CRW)

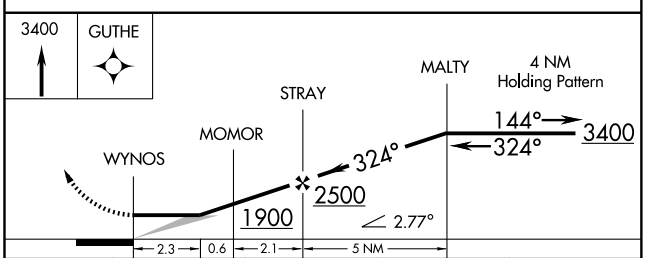
MISSED APPROACH: Climb to 3400 direct GUTHE WP and hold.

ATIS	CHARLESTON APP CON	CHARLESTON TOWER	GND CON	CLNC DEL
127.6	124.1 269.125	125.7 257.8	121.8 348.6	118.55





HIRL Rwy 5-23
MIRL Rwy 15-33
REIL Rwys 5 and 15



CATEGORY	A	B	C	D
S-33	1700-1 719 (800-1)		1700-2 719 (800-2)	1700-2¼ 719 (800-2¼)
CIRCLING	1700-1 719 (800-1)		1700-2 719 (800-2)	1700-2¼ 719 (800-2¼)

NE-4, 22 OCT 2009 to 19 NOV 2009

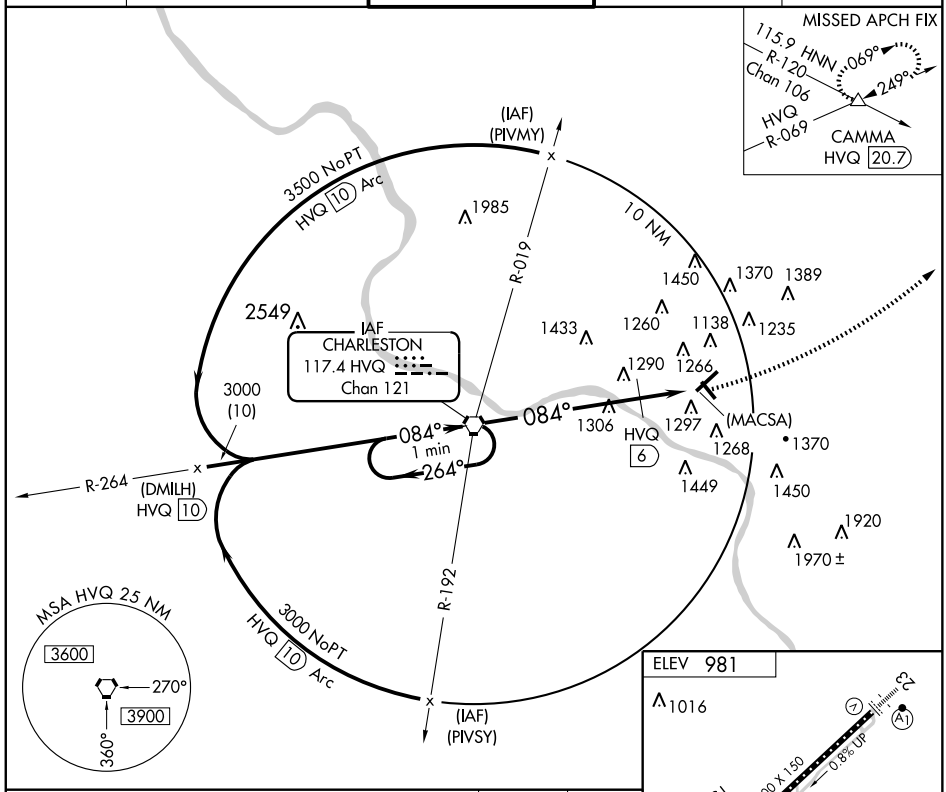
VORTAC HVQ 117.4 Chan 121	APP CRS 084°	Rwy ldg N/A TDZE N/A Apt Elev 981

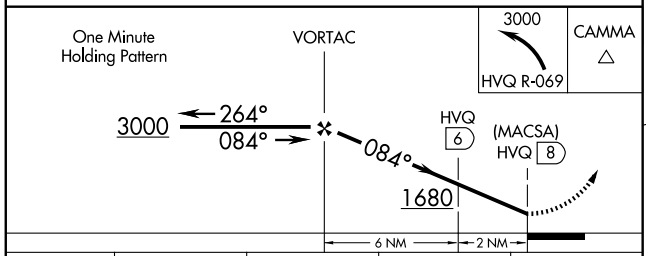
VOR or GPS-A

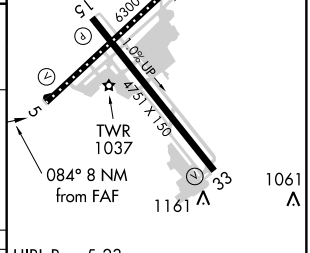
CHARLESTON / YEAGER (CRW)

MISSED APPROACH: Climbing left turn to 3000 via HVQ R-069 to CAMMA Int and hold.

ATIS	CHARLESTON APP CON	CHARLESTON TOWER	GND CON	CLNC DEL
127.6	124.1 269.125	125.7 257.8	121.8 348.6	118.55







HIRL Rwy 5-23
MIRL Rwy 15-33
REIL Rwys 5 and 15

CATEGORY	A	B	C	D
CIRCLING	1680-1 699 (700-1)		1680-2 699 (700-2)	1680-2¼ 699 (700-2¼)

DME MINIMUMS

CIRCLING	1600-1 619 (700-1)		1600-1¾ 619 (700-1¾)	1620-2 639 (700-2)

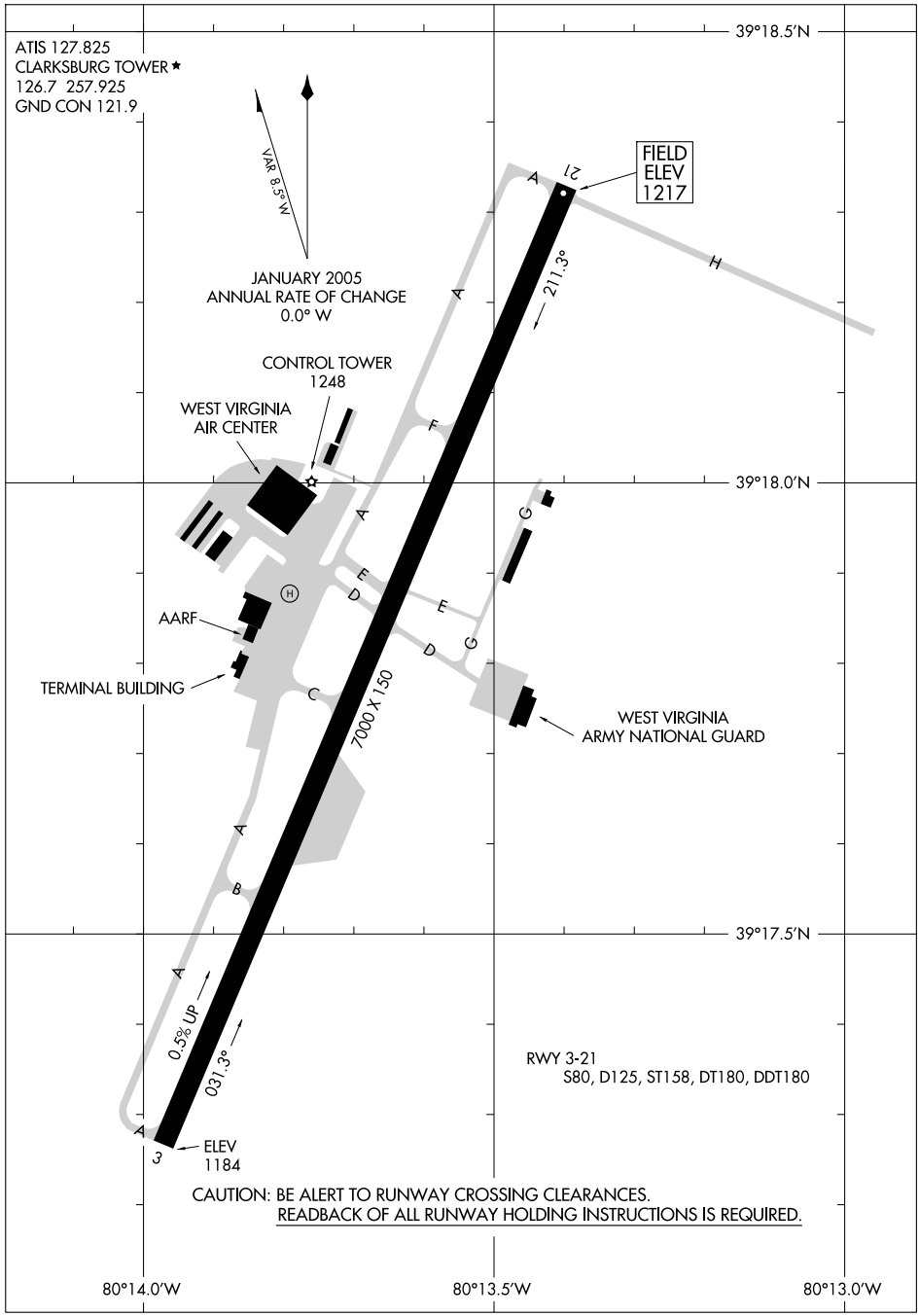
FAF to MAP 8 NM

Knots	60	90	120	150	180
Min:Sec	8:00	5:20	4:00	3:12	2:40

07298

AIRPORT DIAGRAM

CLARKSBURG / NORTH CENTRAL WEST VIRGINIA (CKB)
AL-616 (FAA)
CLARKSBURG, WEST VIRGINIA



NE-4, 22 OCT 2009 to 19 NOV 2009

ILS or LOC RWY 21

CLARKSBURG/NORTH CENTRAL WEST VIRGINIA (CKB)

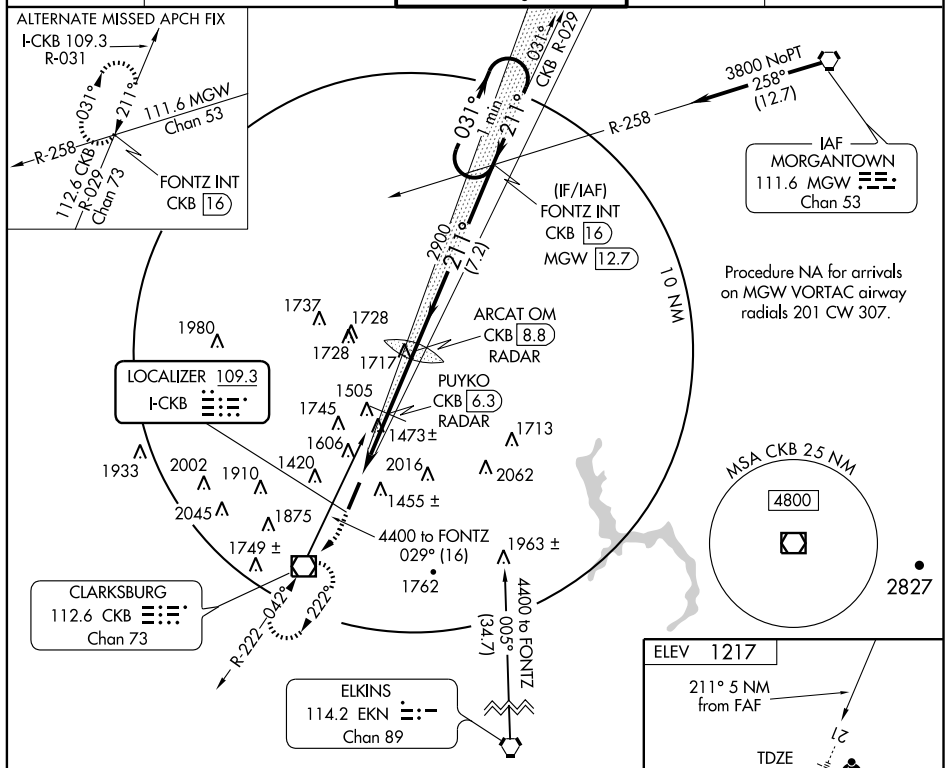
LOC I-CKB	APP CRS	Rwy ldg	7000
109.3	211°	TDZE	1217
		Apt Elev	1217

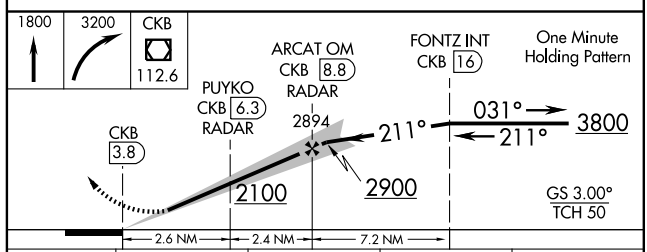
When local altimeter setting not received, use Morgantown altimeter setting and increase all DA 63 feet and all MDA 80 feet, and increase visibility S-LOC 21 Cats C and D and Circling Cats B, C and D 1¼ mile. For inoperative MALSR when using Morgantown altimeter setting, increase S-ILS 21 all Cats visibility to RVR 5000. DME or Radar required for LOC only minimums.

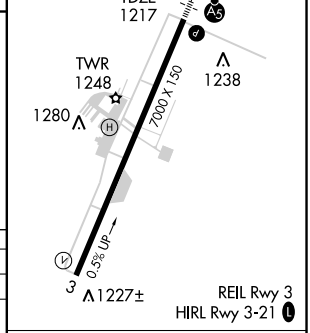
MALSR

MISSED APPROACH: Climb to 1800 then climbing right turn to 3200 direct CKB VOR/DME and hold, continue climb-in-hold to 3200.

ATIS	CLARKSBURG APP CON ★		CLARKSBURG TOWER ★	GND CON	UNICOM
127.825	119.6	269.375	126.7 (CTAF) L 257.925	121.9	123.0







CATEGORY	A	B	C	D
S-ILS 21	1417/24		200 (200-½)	
S-LOC 21	1740/24	523 (600-½)	1740/50 523 (600-1)	1740/60 523 (600-1¼)
CIRCLING	1920-1	703 (800-1)	1920-2 703 (800-2)	2060-2¾ 843 (900-2¾)

FAF to MAP 5 NM

Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

NE-4, 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	7000
031°	TDZE	1183
	Apt Elev	1217

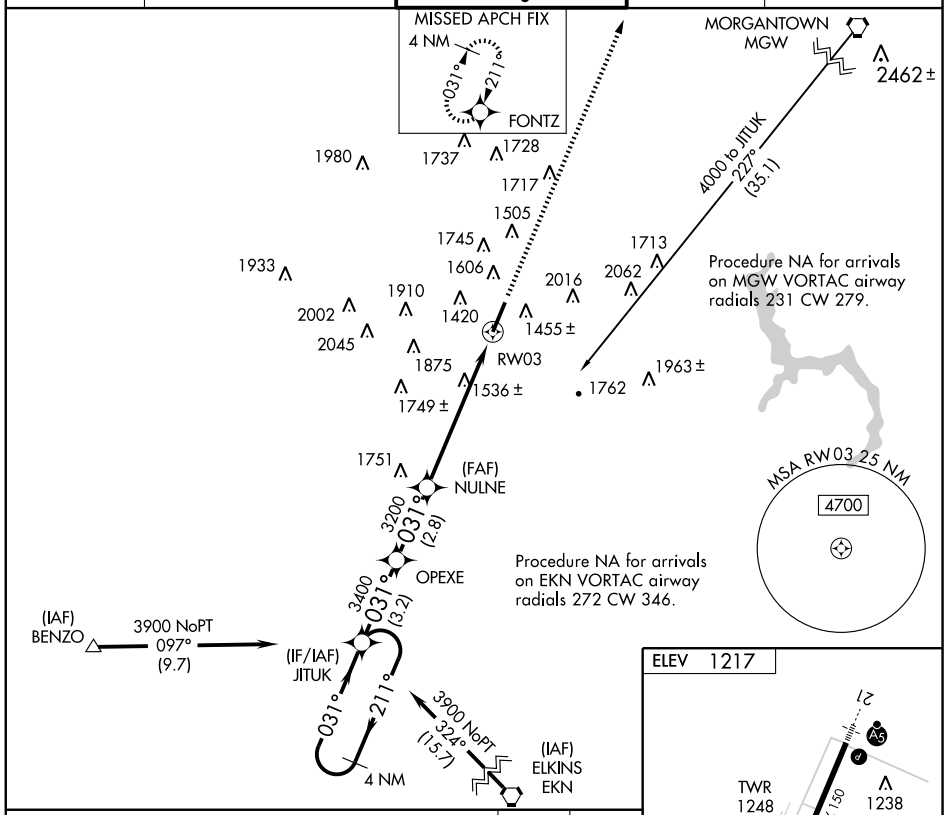
RNAV (GPS) RWY 3

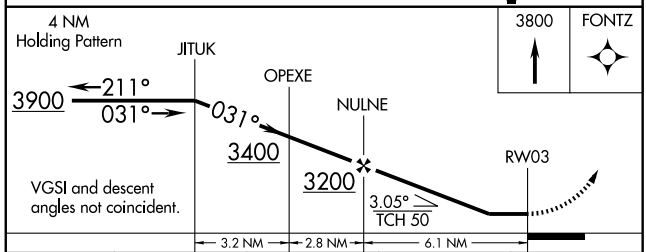
CLARKSBURG/ NORTH CENTRAL WEST VIRGINIA (CKB)

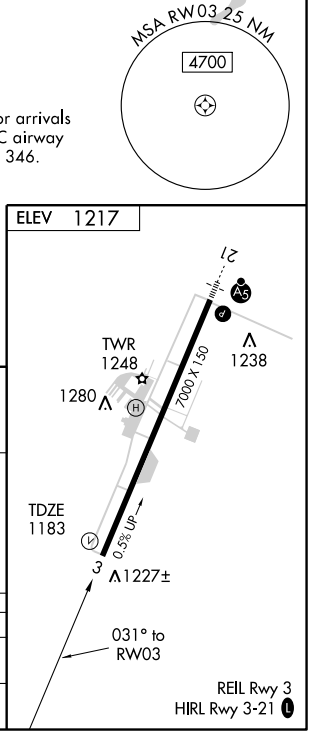
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
When local altimeter setting not received, use Morgantown altimeter setting and increase all MDA 80 feet, and increase LNAV Cats C and D visibility ¼ mile, and Circling Cats B, C and D visibility ¼ mile.

MISSED APPROACH: Climb to 3800 direct FONTZ and hold.

ATIS	CLARKSBURG APP CON★		CLARKSBURG TOWER★		GND CON	UNICOM
127.825	119.6	269.375	126.7 (CTAF)	L 257.925	121.9	123.0







CATEGORY	A	B	C	D
LNAV MDA	1800/50 617 (600-1)		1800-1¾ 617 (600-1¾)	1800-2 617 (600-2)
CIRCLING	1920-1 703 (800-1)		1920-2 703 (800-2)	2060-2¾ 843 (900-2¾)

NE-4. 22 OCT 2009 to 19 NOV 2009

WAAS CH 82504 W21A	APP CRS 211°	Rwy ldg 7000 TDZE 1217 Apt Elev 1217

RNAV (GPS) RWY 21

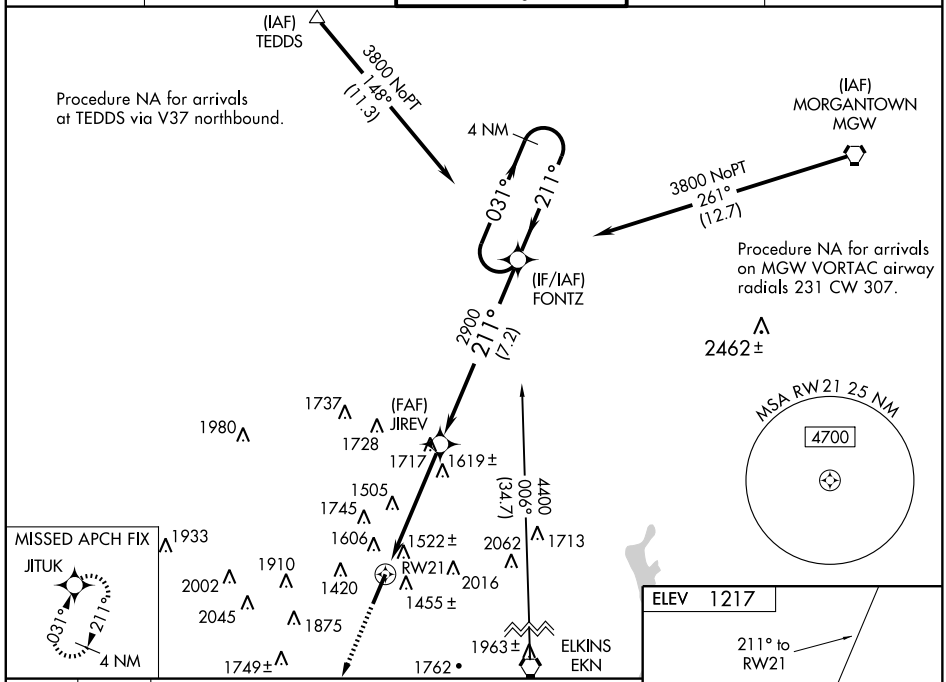
CLARKSBURG/ NORTH CENTRAL WEST VIRGINIA (CKB)

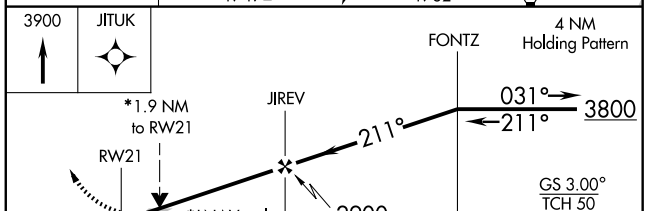
For uncompensated Baro-VNAV systems, procedure NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. VDP NA when using Morgantown altimeter setting. When local altimeter setting not received, use Morgantown altimeter setting and increase all DA 63 feet and all MDA 80 feet, increase LNAV Cat B, C and D visibility ½ mile, and Circling Cats B, C and D visibility ¼ mile. When using Morgantown altimeter setting for inoperative MALSR, increase LPV visibility all Cats to RVR 5000. LNAV-VNAV NA when using Morgantown altimeter setting.

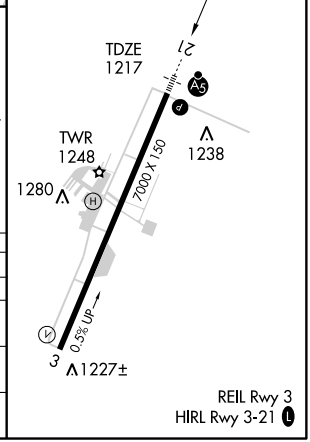
MALSR

MISSED APPROACH: Climb to 3900 direct JITUK and hold.

ATIS	CLARKSBURG APP CON ★	CLARKSBURG TOWER ★	GND CON	UNICOM
127.825	119.6 269.375	126.7 (CTAF) L 257.925	121.9	123.0







CATEGORY	A	B	C	D
LPV DA	1417/24 200 (200-½)			
LNAV/ VNAV DA	2074-2½ 857 (900-2½)			
LNAV MDA	1880/24 663 (700-½)		1880/60 663 (700-1¼)	1880-1½ 663 (700-1½)
CIRCLING	1920-1 703 (800-1)		1920-2 703 (800-2)	2060-2¾ 843 (900-2¾)

NE-4. 22 OCT 2009 to 19 NOV 2009

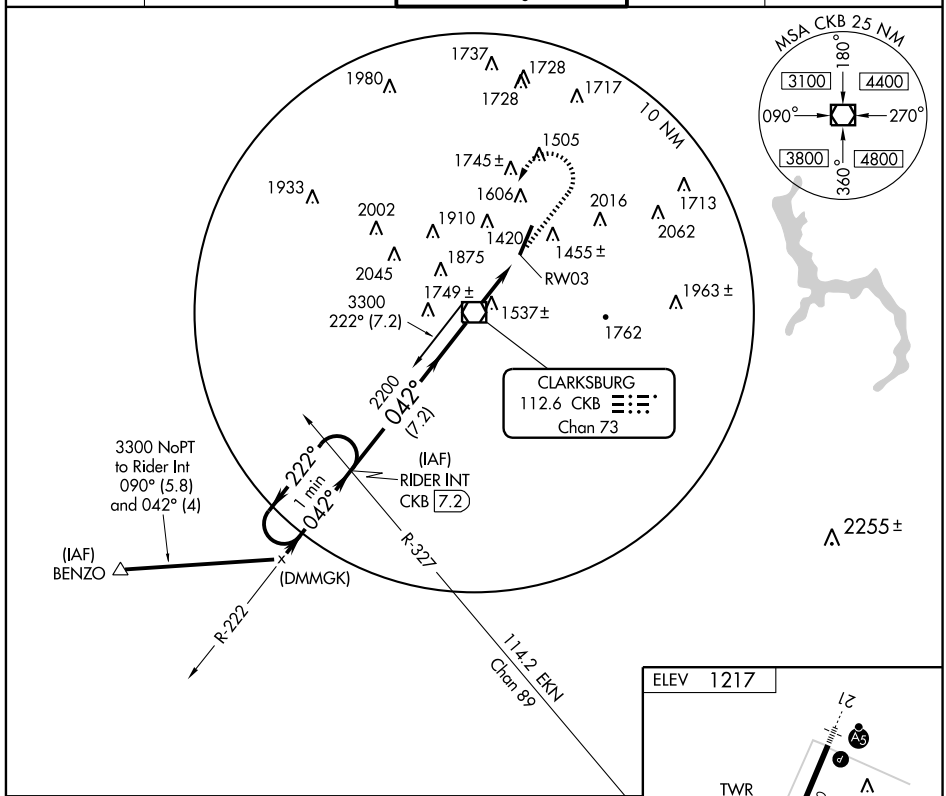
VOR/DME CKB	APP CRS	Rwy ldg	7000
112.6	042°	TDZE	1183
Chan 73		Apt Elev	1217

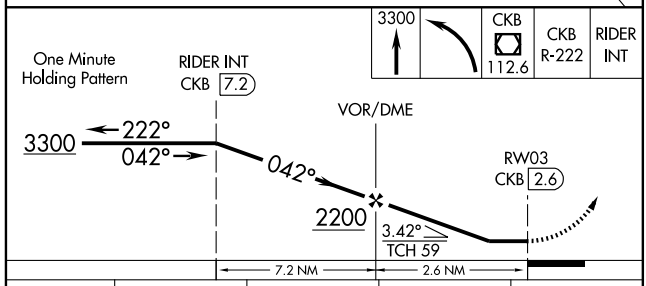
VOR or GPS RWY 3

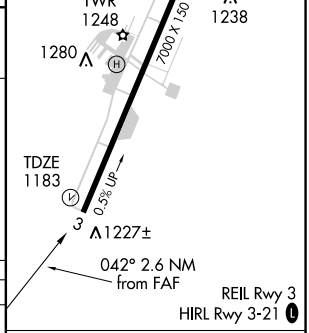
CLARKSBURG/ NORTH CENTRAL WEST VIRGINIA (CKB)

MISSED APPROACH: Climb to 3300, left turn direct CKB VOR/DME, then via CKB R-222 to RIDER Int/CKB 7.2 DME and hold.

ATIS	CLARKSBURG APP CON★		CLARKSBURG TOWER★	GND CON	UNICOM
127.825	119.6	269.375	126.7 (CTAF) Ⓛ 257.925	121.9	123.0







CATEGORY	A	B	C	D
S-3	1860-1 677 (700-1)		1860-2 677 (700-2)	1860-2¼ 677 (700-2¼)
CIRCLING	1920-1 703 (800-1)		1920-2 703 (800-2)	2040-2¾ 823 (900-2¾)

FAF to MAP 2.6 NM					
Knots	60	90	120	150	180
Min:Sec	2:36	1:44	1:18	1:02	0:52

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	4501
032°	TDZE	1973
	Apt Elev	1987

GPS RWY 5

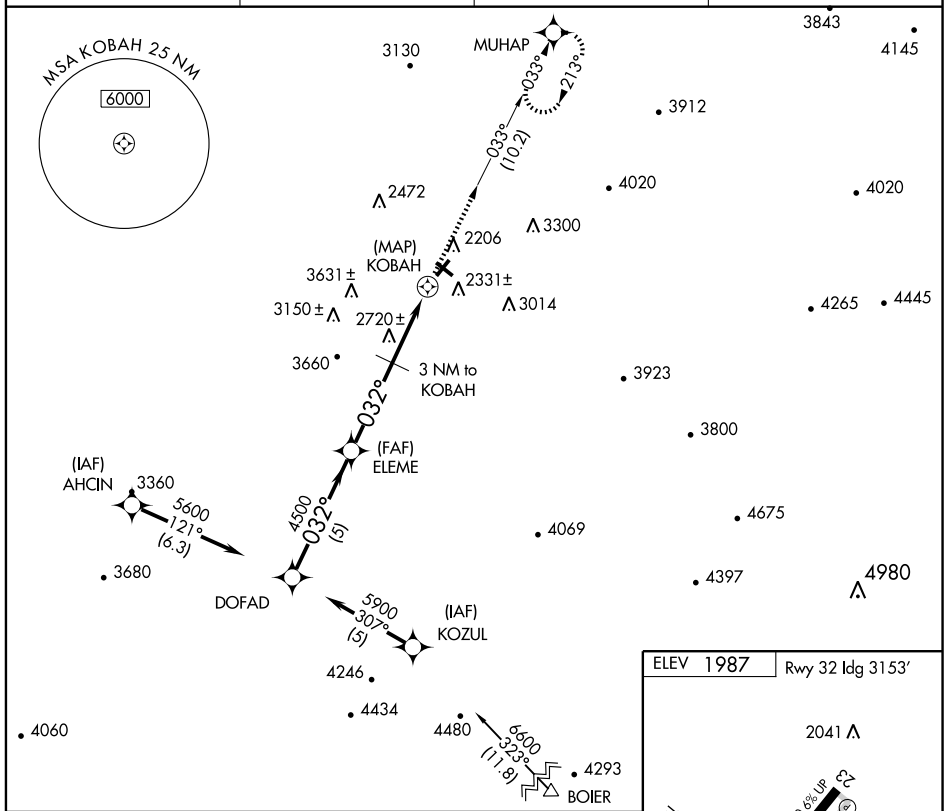
ELKINS-RANDOLPH CO-JENNINGS RANDOLPH FIELD (EKN)

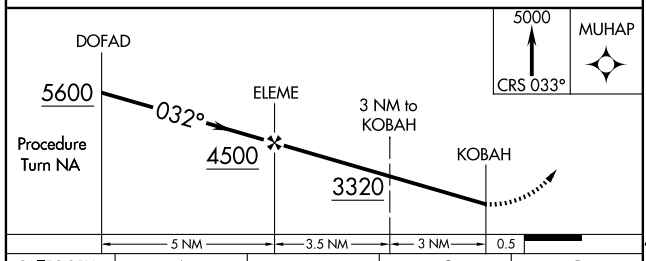
NA

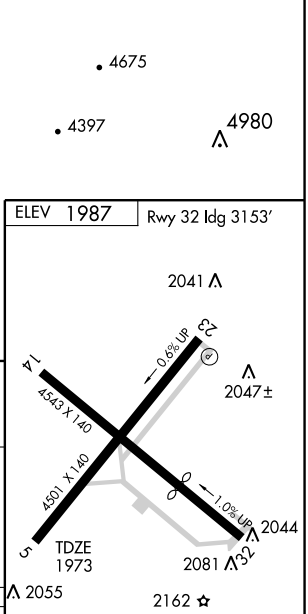
Circling NA at night.

MISSED APPROACH: Climb to 5000 via 033° course to MUHAP WP and hold.

ASOS	CLARKSBURG APP CON ★	ELKINS RADIO	122.9 L
119.275	121.15 269.375	123.6 (CTAF)	







CATEGORY	A	B	C	D
S-5	2980 - 1¼ 1007 (1000-1¼)	2980 - 1½ 1007 (1000-1½)	2980 - 3	1007 (1000-3)
CIRCLING	2980 - 1¼ 993 (1000-1¼)	3000 - 1½ 1013 (1100-1½)	3300 - 3 1313 (1400-3)	3420 - 3 1433 (1500-3)

REIL Rwy 23 L
MIRL Rwy 5-23 L

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	4501
211°	TDZE	1958
	Apt Elev	1987

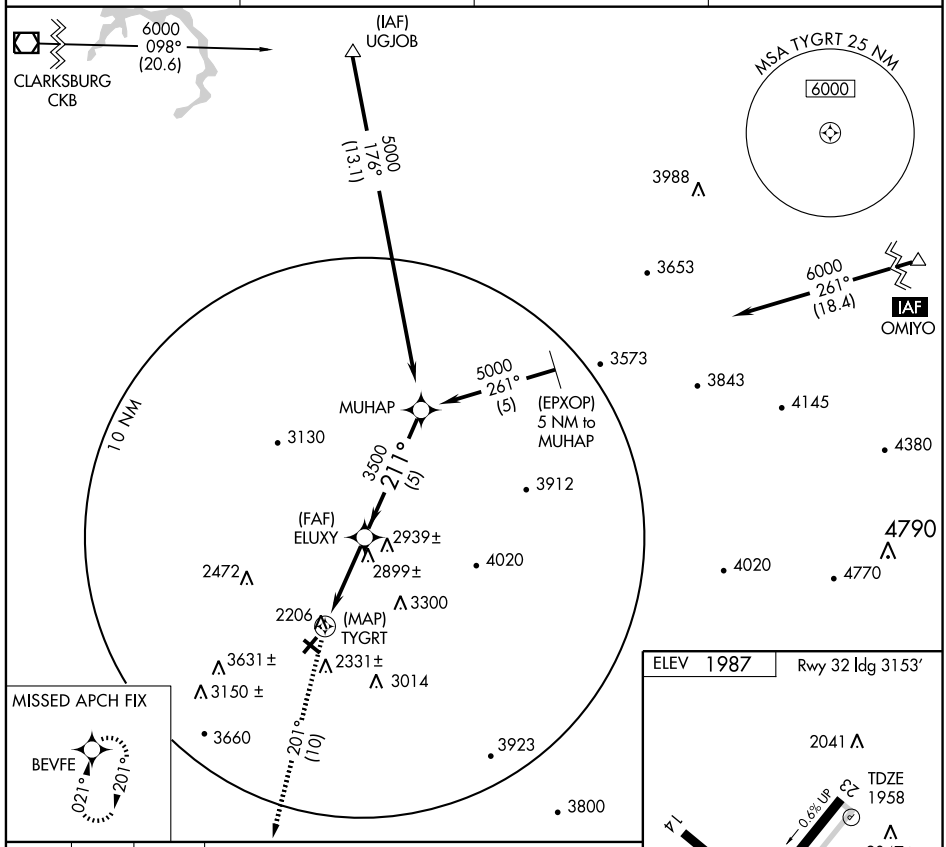
GPS RWY 23

ELKINS-RANDOLPH CO-JENNINGS RANDOLPH FIELD (EKN)

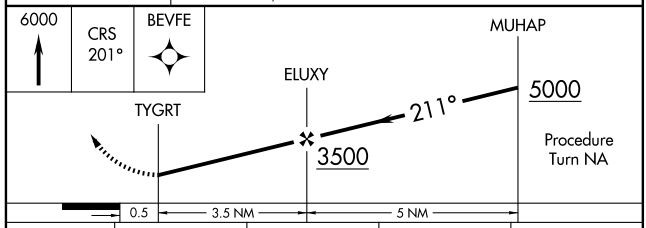
IAF ARM APPROACH MODE PRIOR TO IAF.
NA Circling NA at night.

MISSED APPROACH: Climb to 6000 via 201° course to BEVFE WP and hold.

ASOS	CLARKSBURG APP CON ★	ELKINS RADIO	
119.275	121.15 269.375	123.6 (CTAF)	122.9 L

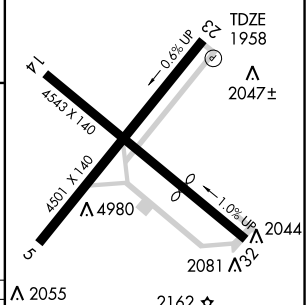


MISSED APCH FIX



CATEGORY	A	B	C	D
S-23	3180-1¼ 1222 (1200-1¼)	3180-1½ 1222 (1200-1½)	3180-3 1222 (1200-3)	
CIRCLING	3180-1¼ 1193 (1200-1¼)	3180-1½ 1193 (1200-1½)	3300-3 1313 (1400-3)	3420-3 1433 (1500-3)

ELEV 1987 Rwy 32 ldg 3153′



REIL Rwy 23 L
MIRL Rwy 5-23 L

NE-4. 22 OCT 2009 to 19 NOV 2009

LOC/DME I-OUW	APP CRS	Rwy ldg	N/A
109.9	195°	TDZE	N/A
Chan 36		Apt Elev	1987

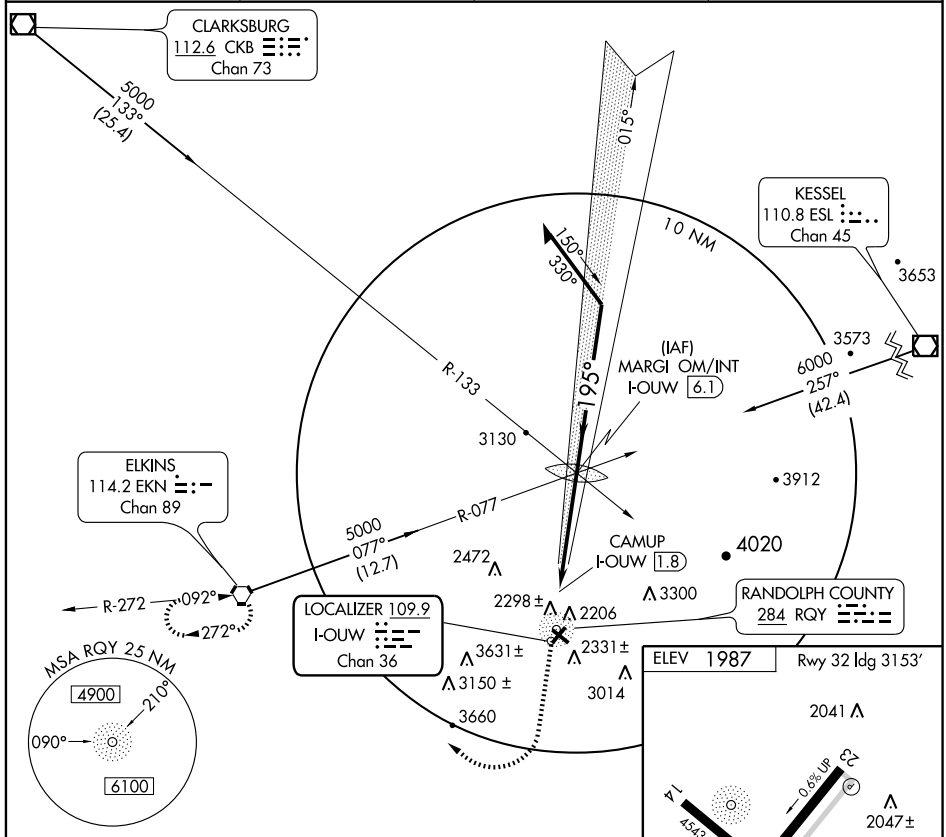
LDA-C

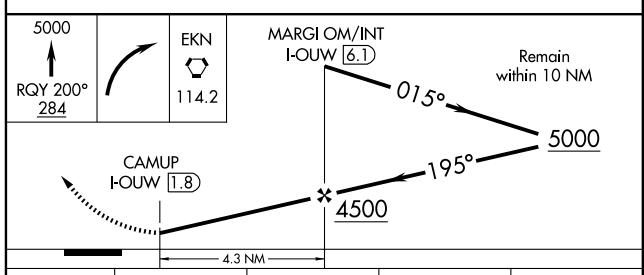
ELKINS-RANDOLPH CO-JENNINGS RANDOLPH FIELD (EKN)

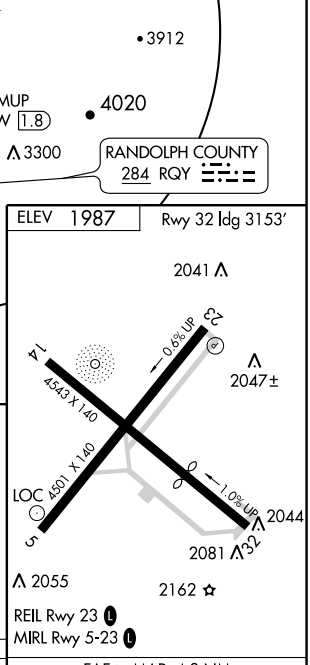
Procedure not authorized at night.
ADF required.

MISSED APPROACH: Climb to 5000 via RQY 200° bearing, then right turn direct EKN VORTAC and hold.

ASOS	CLARKSBURG APP CON ★	ELKINS RADIO	122.9 L
119.275	121.15 269.375	123.6 (CTAF)	







CATEGORY	A	B	C	D
CIRCLING	3100 - 1¼ 1113 (1200-1¼)	3100 - 1½ 1113 (1200-1½)	3300 - 3 1313 (1400-3)	3420 - 3 1433 (1500-3)

FAF to MAP 4.3 NM

Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26

NE-4, 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	2859
225°	TDZE	1029
	Apt Elev	1029

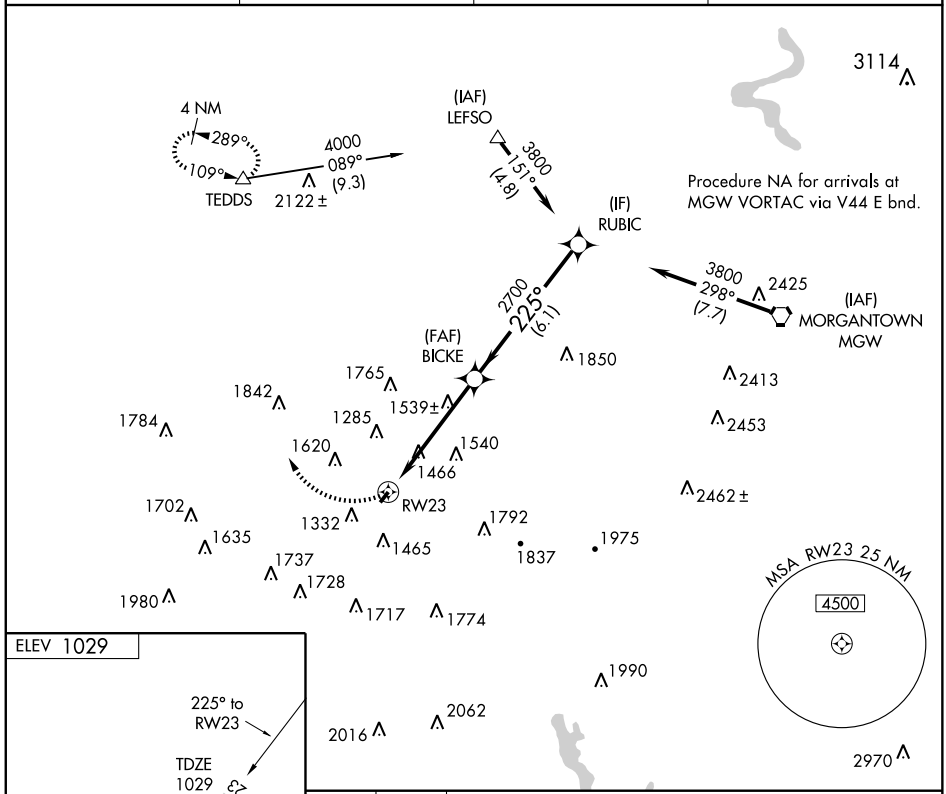
RNAV (GPS) RWY 23
FAIRMONT MUNI-FRANKMAN FIELD (4G7)

Use Morgantown altimeter setting; if not received, use Clarksburg altimeter setting. DME/DME RNP-0.3 NA.
Circling to Rwy 5 NA at night. Visibility reduction by helicopters NA.

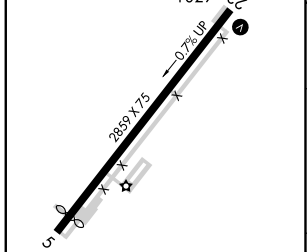
NA

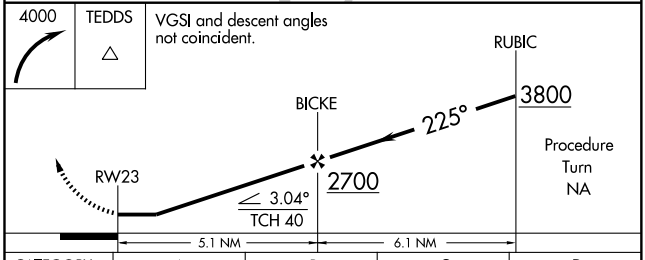
MISSED APPROACH: Climbing right turn to 4000 direct TEDDS and hold.

MORGANTOWN ASOS	CLARKSBURG APP CON ★	CLNC DEL	UNICOM
120.675	119.6 269.375	118.35	122.8 (CTAF) L



ELEV 1029





CATEGORY	A	B	C	D
LNAV MDA	1860-1 831 (900-1)	1860-1¼ 831 (900-1¼)	1860-2½ 831 (900-2½)	NA
CIRCLING	1860-1 831 (900-1)	1860-1¼ 831 (900-1¼)	1860-2½ 831 (900-2½)	NA

REIL Rwy 23 L
LIRL Rwy 5-23 L ★

NE-4. 22 OCT 2009 to 19 NOV 2009

VORTAC MGW 111.6 Chan 53	APP CRS 251°	Rwy ldg N/A TDZE N/A Apt Elev 1029

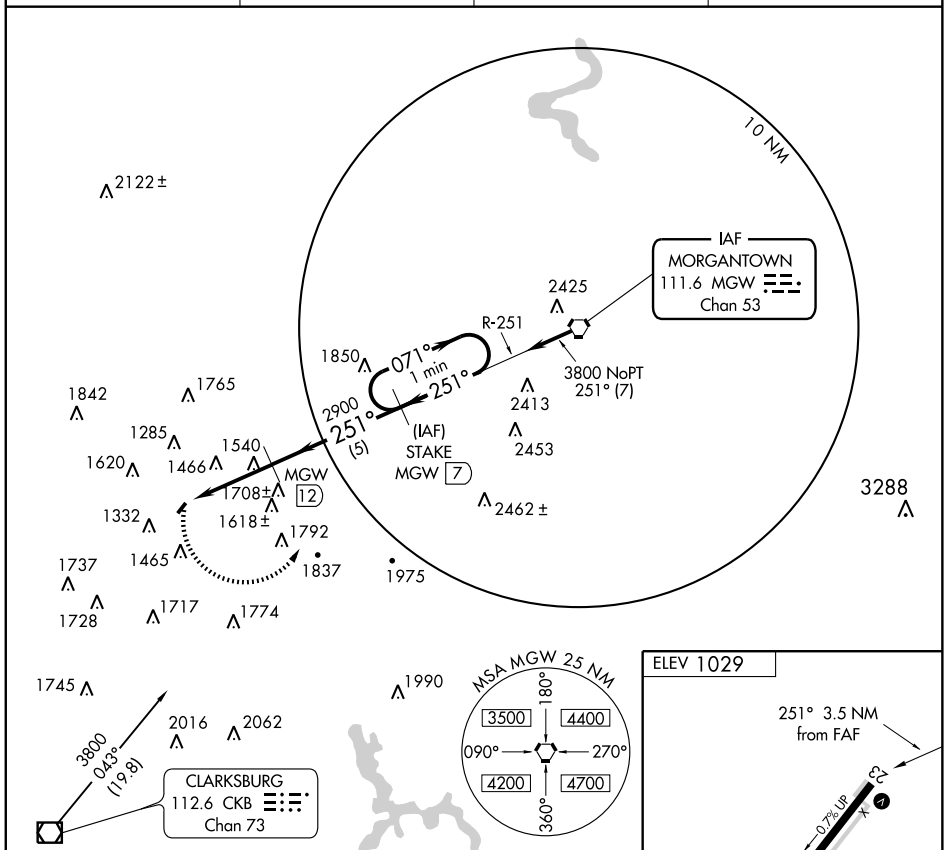
VOR/DME-A

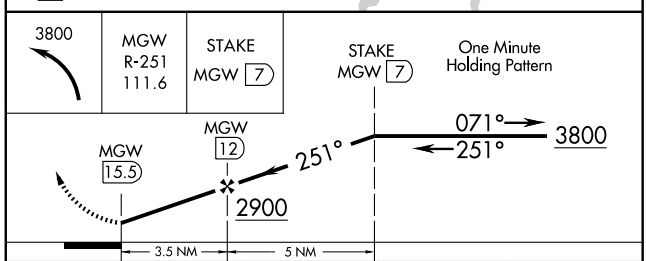
FAIRMONT MUNI-FRANKMAN FIELD (4G7)

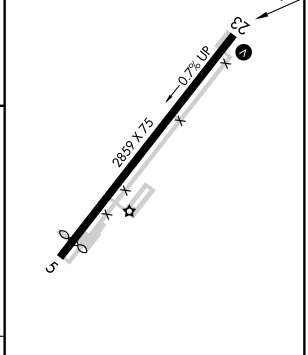
Use Morgantown altimeter setting.
Circling not authorized at night to Rwy 5.

MISSED APPROACH: Climbing left turn to 3800 via MGW R-251 to STAKE/MGW 7 DME and hold.

MORGANTOWN ASOS	CLARKSBURG APP CON ★	CLNC DEL	UNICOM
120.675	119.6 269.375	118.35	122.8 (CTAF) L







CATEGORY	A	B	C	D
CIRCLING	1940-1¼ 911 (1000-1¼)		1940-2¾ 911 (1000-2¾)	NA

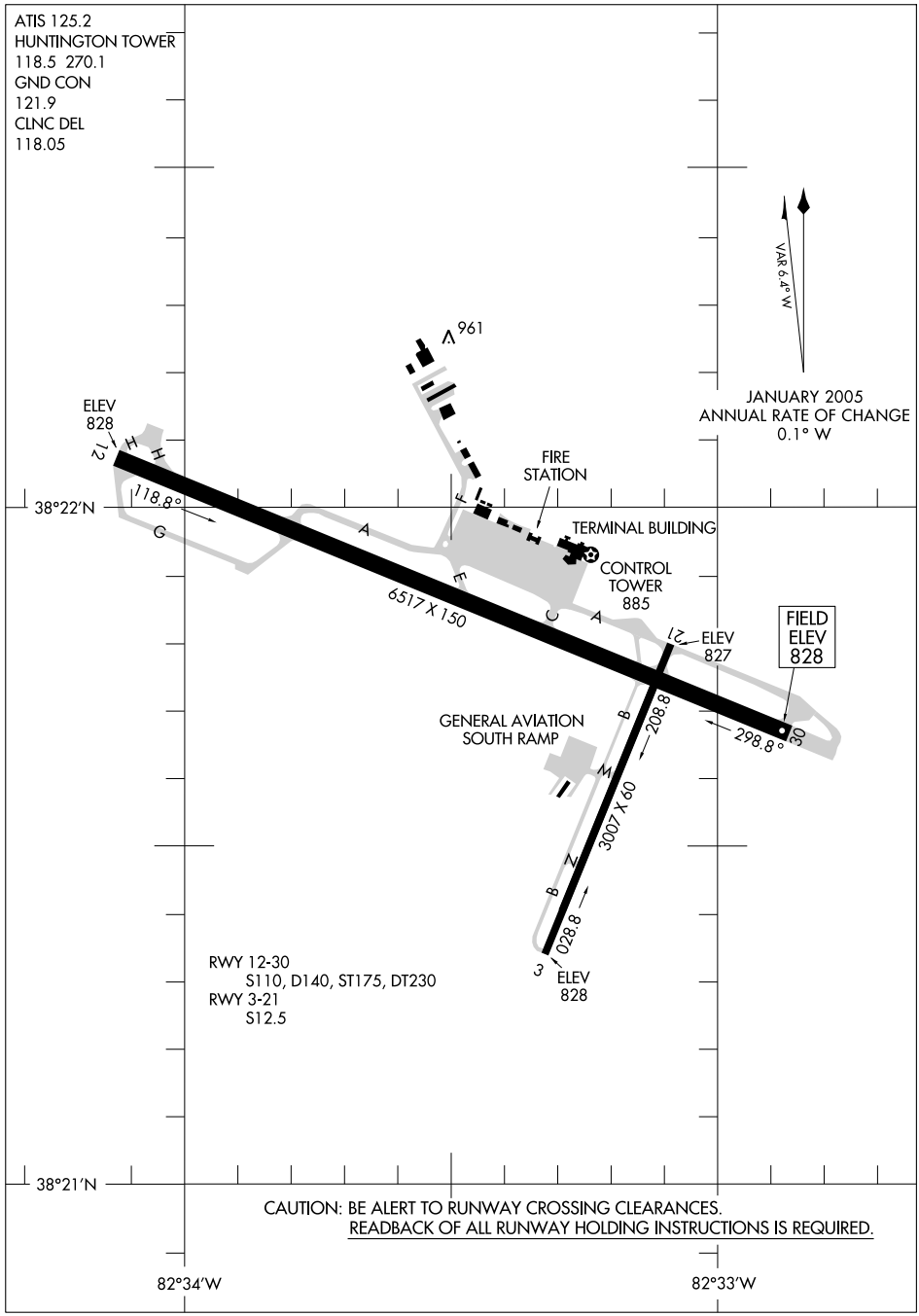
REIL Rwy 23 L
LIRL Rwy 5-23 L ★

NE-4, 22 OCT 2009 to 19 NOV 2009

07074

AIRPORT DIAGRAM

HUNTINGTON/ TRI-STATE/MILTON J. FERGUSON FIELD (HTS)
AL-532 (FAA)
HUNTINGTON, WEST VIRGINIA



NE-4, 22 OCT 2009 to 19 NOV 2009

LOC I-HTS	APP CRS	Rwy ldg	6517
109.9	118°	TDZE	828
		Apt Elev	828

ILS or LOC RWY 12

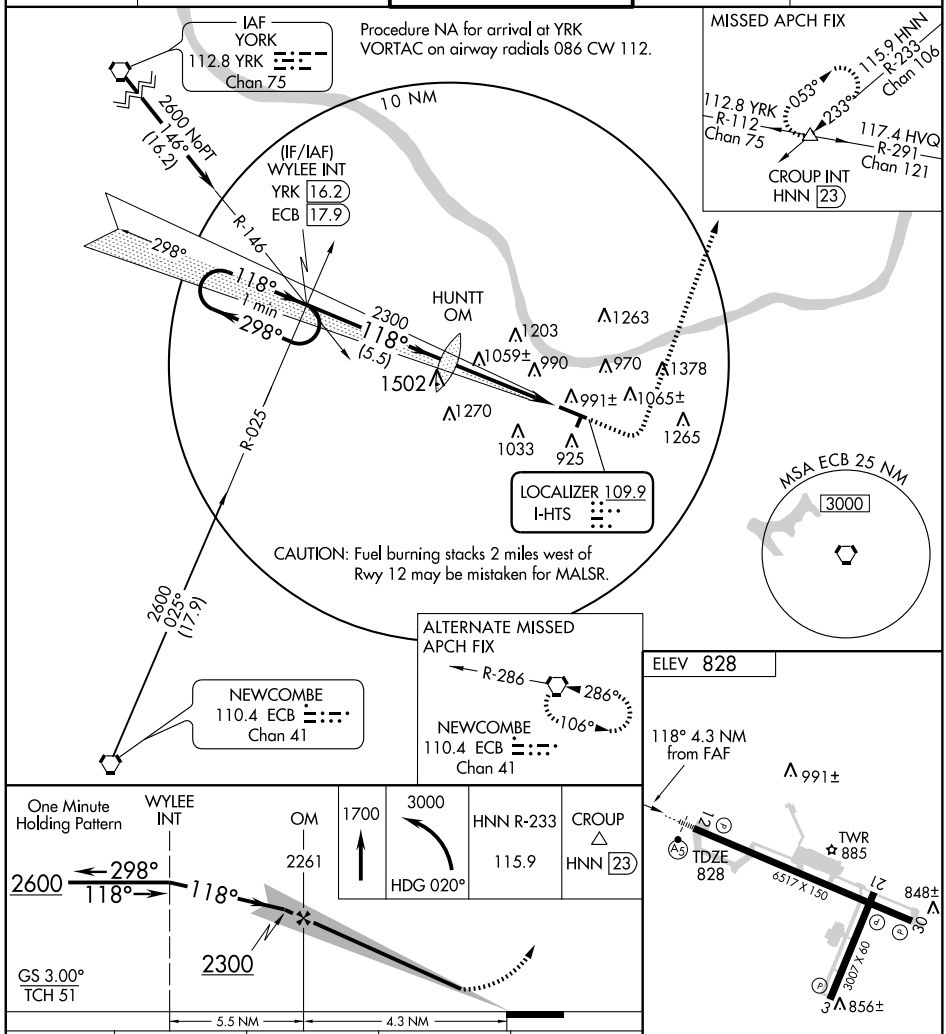
HUNTINGTON / TRI-STATE/MILTON J. FERGUSON FIELD (HTS)

ASR: When VGSI Inop, Circling Rwy 3 NA at night.
* RVR 1800 authorized with the use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH: Climb to 1700 then climbing left turn to 3000 via heading 020° and HNN VORTAC R-233 to CROUP Int/HNN 23 DME and hold.

ATIS	HUNTINGTON APP CON	HUNTINGTON TOWER	GND CON	CLNC DEL
125.2	119.75 270.1	118.5 270.1	121.9	118.05



CATEGORY	A	B	C	D
S-ILS 12	*1028/24 200 (200-½)			
S-LOC 12	1320/24 492 (500-½)		1320/40 492 (500-¾)	1320/50 492 (500-1)
CIRCLING	1340-1 512 (600-1)		1340-1½ 512 (600-1½)	1420-2 592 (600-2)

REIL Rwy 30
HIRL Rwy 12-30
MIRL Rwy 3-21

FAF to MAP 4.3 NM					
Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26

NE-4. 22 OCT 2009 to 19 NOV 2009

LOC I-TUU	APP CRS	Rwy ldg	6517
108.7	298°	TDZE	828
		Apt Elev	828

ILS or LOC RWY 30

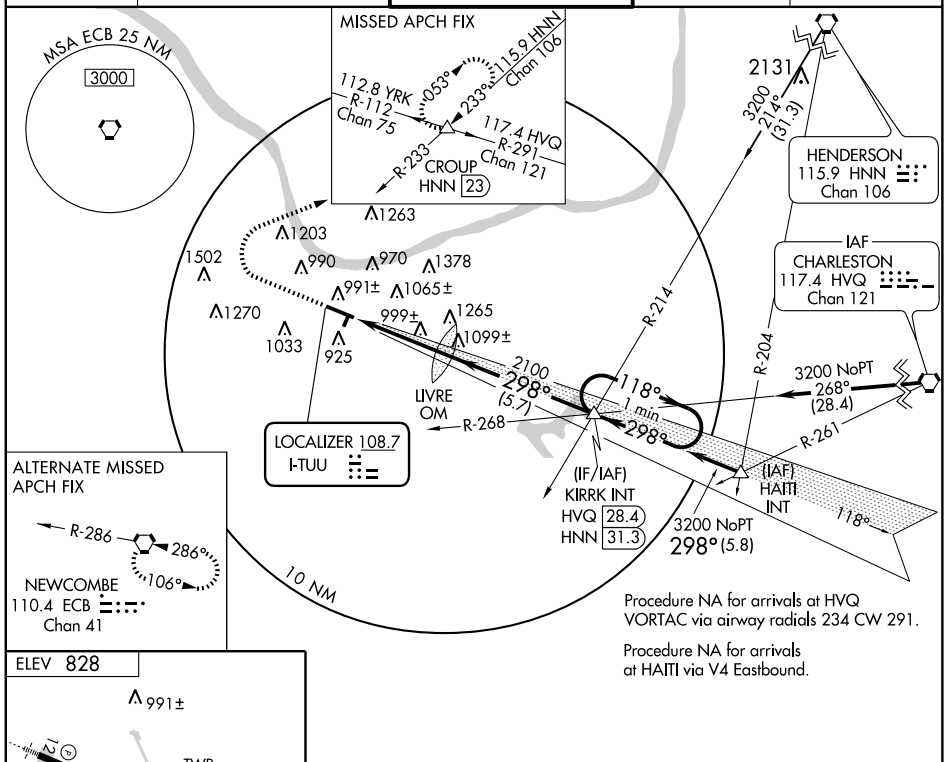
HUNTINGTON / TRI-STATE/MILTON J. FERGUSON FIELD (HTS)

ASR

When VGSI inop, Circling Rwy 3 NA at night.

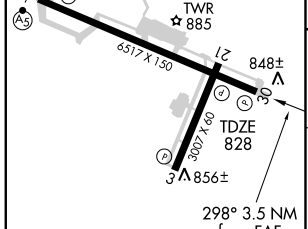
MISSED APPROACH: Climb to 1700 then climbing right turn to 3100 via heading 075° and HNN VORTAC R-233 to CROUP Int/HNN 23 DME and hold.

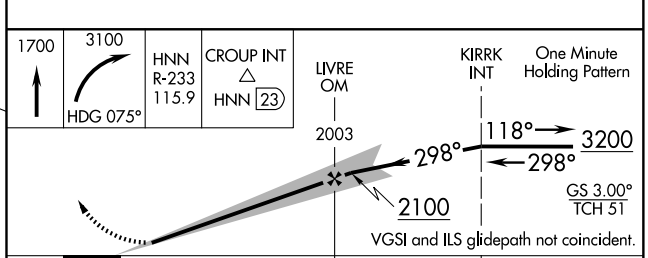
ATIS	HUNTINGTON APP CON	HUNTINGTON TOWER	GND CON	CLNC DEL
125.2	119.75 270.1	118.5 270.1	121.9	118.05



Procedure NA for arrivals at HVQ VORTAC via airway radials 234 CW 291.

Procedure NA for arrivals at HAITI via V4 Eastbound.





REIL Rwy 30
HIRL Rwy 12-30
MIRL Rwy 3-21

FAF to MAP 3.5 NM					
Knots	60	90	120	150	180
Min:Sec	3:30	2:20	1:45	1:24	1:10

CATEGORY	A	B	C	D
S-ILS 30	1028-¾ 200 (200-¾)			
S-LOC 30	1260-1 432 (500-1)		1260-1¼ 432 (500-1¼)	1260-1½ 432 (500-1½)
CIRCLING	1340-1 512 (600-1)		1340-1½ 512 (600-1½)	1420-2 592 (600-2)

NE-4. 22 OCT 2009 to 19 NOV 2009

WAAS CH 45699 W12A	APP CRS 118°	Rwy ldg 6517 TDZE 828 Apt Elev 828

RNAV (GPS) RWY 12

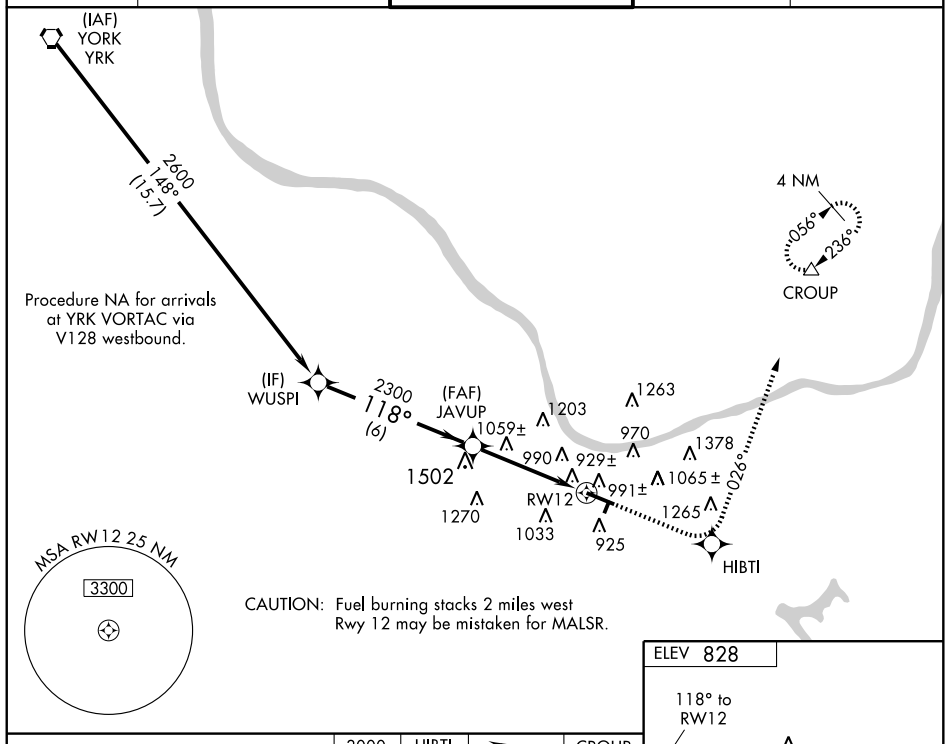
HUNTINGTON / TRI-STATE/MILTON J. FERGUSON FIELD (HTS)

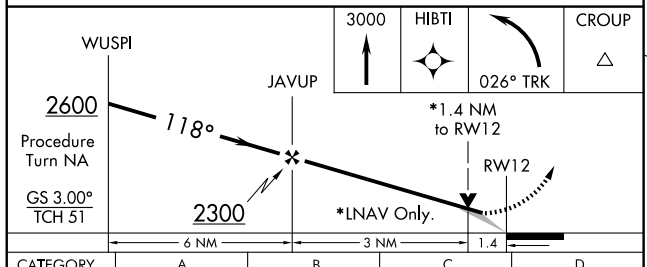
ASR: DME/DME RNP-0.3 NA. When VGSI inop, Circling Rwy 3 NA at night. For inoperative MALSR, increase LPV all Cats visibility to RVR 6000. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F)

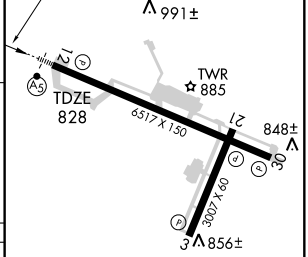
MALSR

MISSED APPROACH: Climb to 3000 direct HIBTI and left turn via 026° track to CROUP and hold.

ATIS	HUNTINGTON APP CON	HUNTINGTON TOWER	GND CON	CLNC DEL
125.2	119.75 270.1	118.5 270.1	121.9	118.05







CATEGORY	A	B	C	D
LPV DA	1157/40 329 (400-¾)			
LNAV/VNAV DA	1329/60 501 (600-1¼)			
LNAV MDA	1320/24 492 (500-½)		1320/40 492 (500-¾)	1320/50 492 (500-1)
CIRCLING	1340-1 512 (600-1)		1340-1½ 512 (600-1½)	1420-2 592 (600-2)

REIL Rwy 30
HIRL Rwy 12-30
MIRL Rwy 3-21

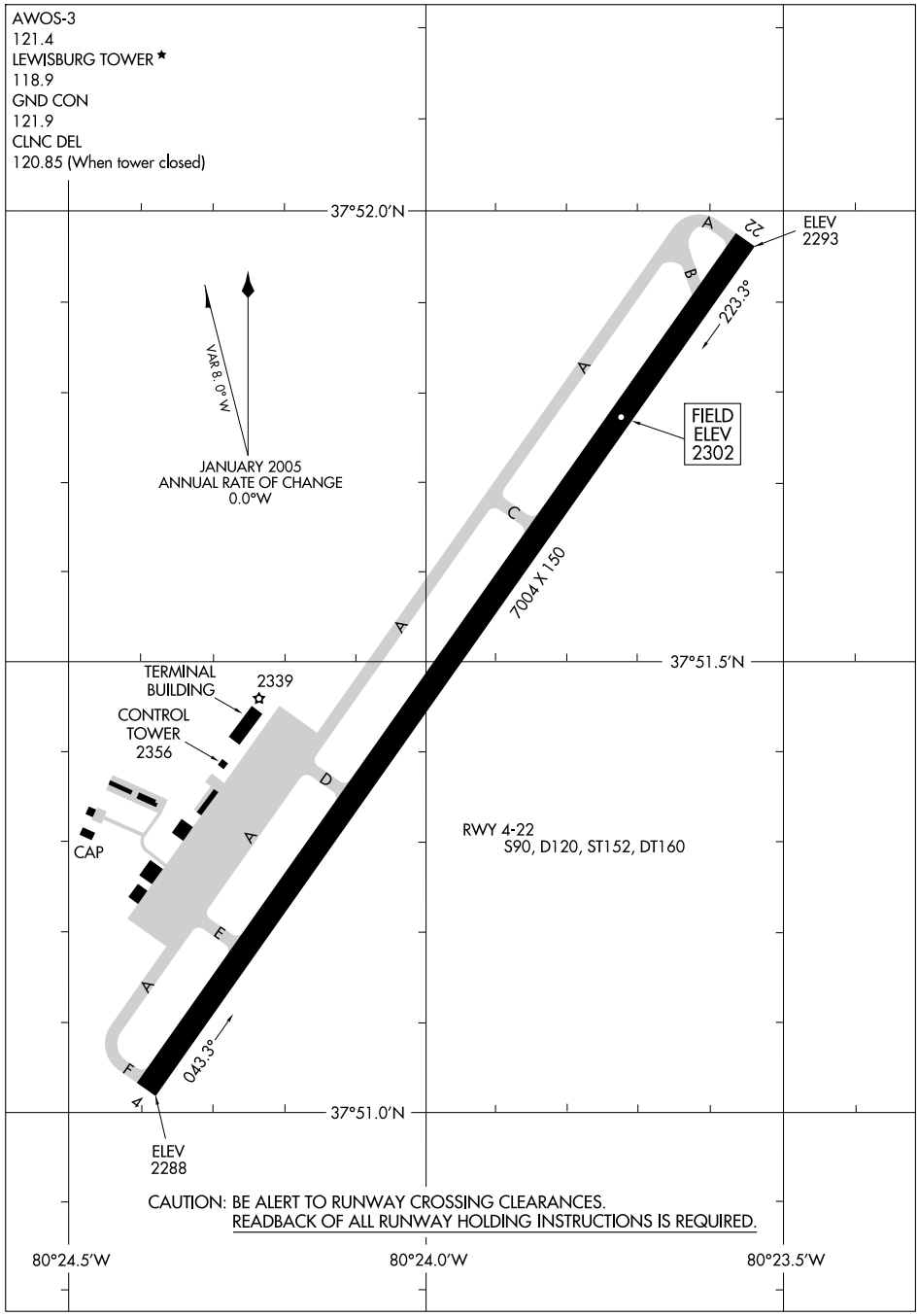
NE-4. 22 OCT 2009 to 19 NOV 2009

06271

AIRPORT DIAGRAM

AL-5601 (FAA)

LEWISBURG/ GREENBRIER VALLEY (LWB)
LEWISBURG, WEST VIRGINIA



NE-4, 22 OCT 2009 to 19 NOV 2009

LOC I-LWB	APP CRS	Rwy ldg	7004
110.35	045°	TDZE	2288
		Apt Elev	2302

ILS or LOC RWY 4

LEWISBURG/ GREENBRIER VALLEY (LWB)

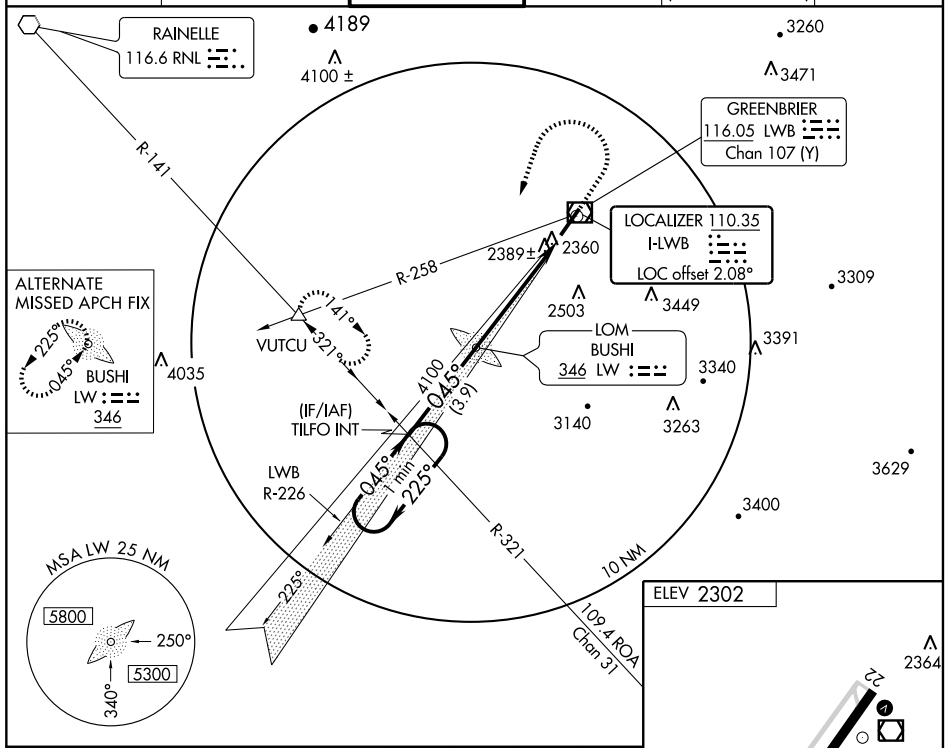
Visiblity reduction by helicopters NA. When local altimeter setting not received, use Beckley altimeter setting and increase DA to 2647 feet and all MDA 120 feet.

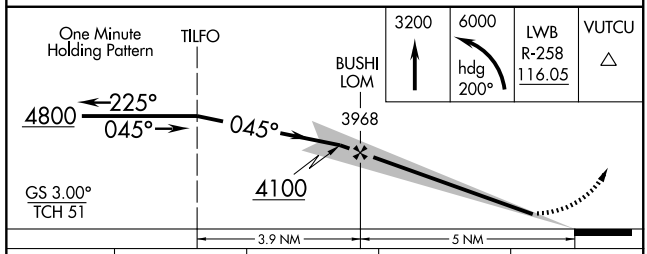
Increase S-LOC 4 Cat C visiblity ¼ mile, Cat D visibility ½ mile and Circling Cat C visibility ½ mile. Inoperative table does not apply to S-ILS 4 all Cats. For inoperative MALSR, increase S-LOC 4 Cats A and B visiblity ¼ mile. For inoperative MALSR, when using Beckley altimeter setting, increase S-ILS 4 all Cats visiblity to 1¼ miles, S-LOC 4 Cats A and B visiblity to 1 mile.

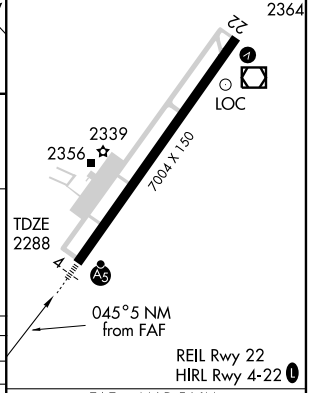
MALSR

MISSED APPRAOCH: Climb to 3200, then climbing left turn to 6000 via heading 200° and LWB VOR/DME R-258 to VUTCU INT and hold, continue climb-in-hold to 6000.

AWOS-3	WASHINGTON CENTER	LEWISBURG TOWER★	GND CON	CLNC DEL	UNICOM
121.4	134.4 353.9	118.9 (CTAF) L	121.9	120.85 (When tower closed)	122.95







CATEGORY	A	B	C	D
S-ILS 4	2538-¾ 250 (300-¾)			
S-LOC 4	2700-¾ 412 (400-¾)			
CIRCLING	2820-1 518 (600-1)	2900-1 598 (600-1)	3080-2¼ 778 (800-2¼)	3280-3 978 (1000-3)

FAF to MAP 5 NM

Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

NE-4. 22 OCT 2009 to 19 NOV 2009

WAAS CH 42613 W04A	APP CRS 043°	Rwy ldg 7004 TDZE 2288 Apt Elev 2302

RNAV (GPS) RWY 4

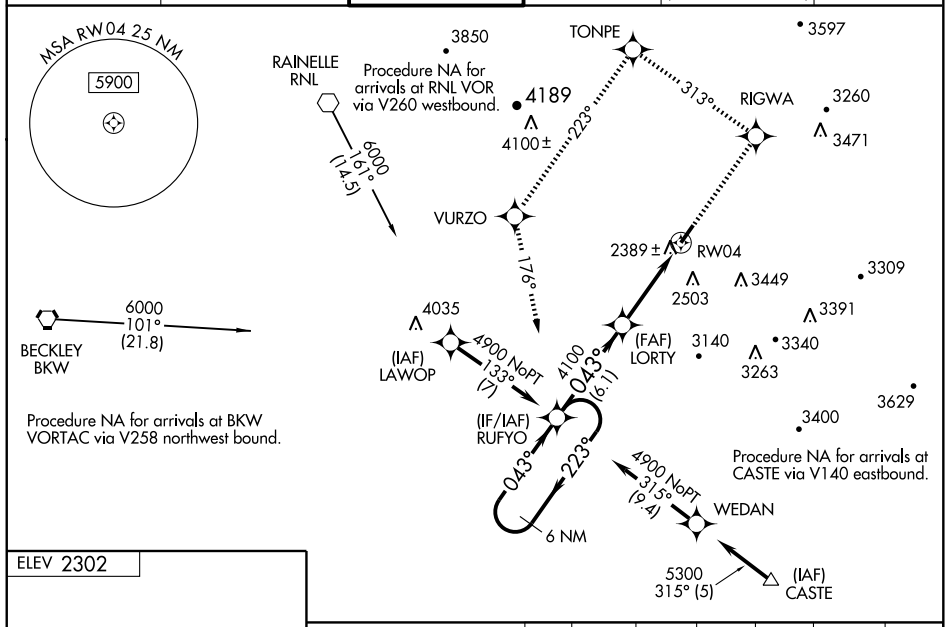
LEWISBURG/ GREENBRIER VALLEY (LWB)

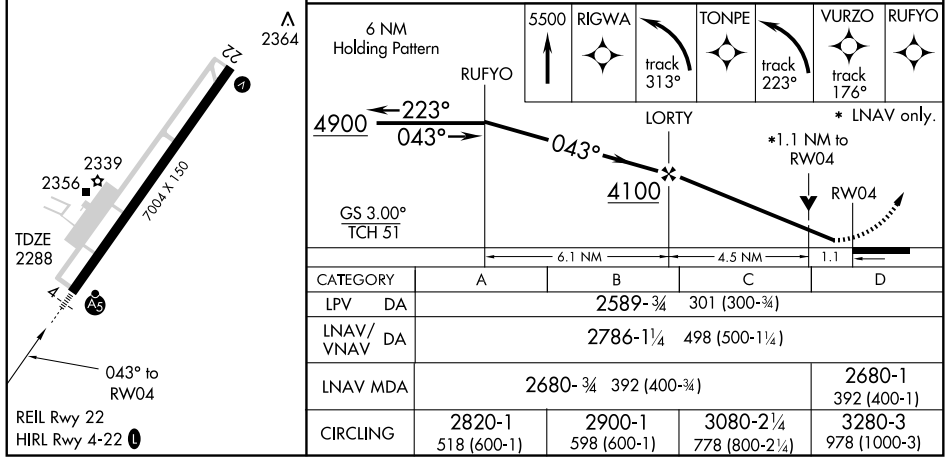
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 44°C (111°F). DME/DME RNP -0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Beckley altimeter setting and increase all DA 109 feet and all MDA 120 feet; Increase LPV all Cats, LNAV Cats C and D visibility ¼ mile, Circling Cat C, and LNAV/VNAV all Cats visibility ½ mile. For inoperative MALSR, increase LNAV all Cats visbility ¼ mile. For inoperative MALSR, when using Beckley altimeter setting, increase LPV all Cats visibility ½ mile and LNAV Cats A and B ¼ mile.
VDP and Baro-VANV NA when using Beckley altimeter setting.

MALSR

MISSED APPROACH: Climb to 5500 direct RIGWA and left turn via track 313° to TONPE and left turn via track 223° to VURZO and via track 176° to RUFYO and hold.

AWOS-3	WASHINGTON CENTER	LEWISBURG TOWER*	GND CON	CLNC DEL	UNICOM
121.4	134.4 353.9	118.9 (CTAF) L	121.9	120.85 (When tower closed)	122.95





CATEGORY	A	B	C	D
LPV DA	2589-¾ 301 (300-¾)			
LNAV/VNAV DA	2786-1¼ 498 (500-1¼)			
LNAV MDA	2680-¾ 392 (400-¾)			2680-1 392 (400-1)
CIRCLING	2820-1 518 (600-1)	2900-1 598 (600-1)	3080-2¼ 778 (800-2¼)	3280-3 978 (1000-3)

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	7004
223°	TDZE	2302
	Apt Elev	2302

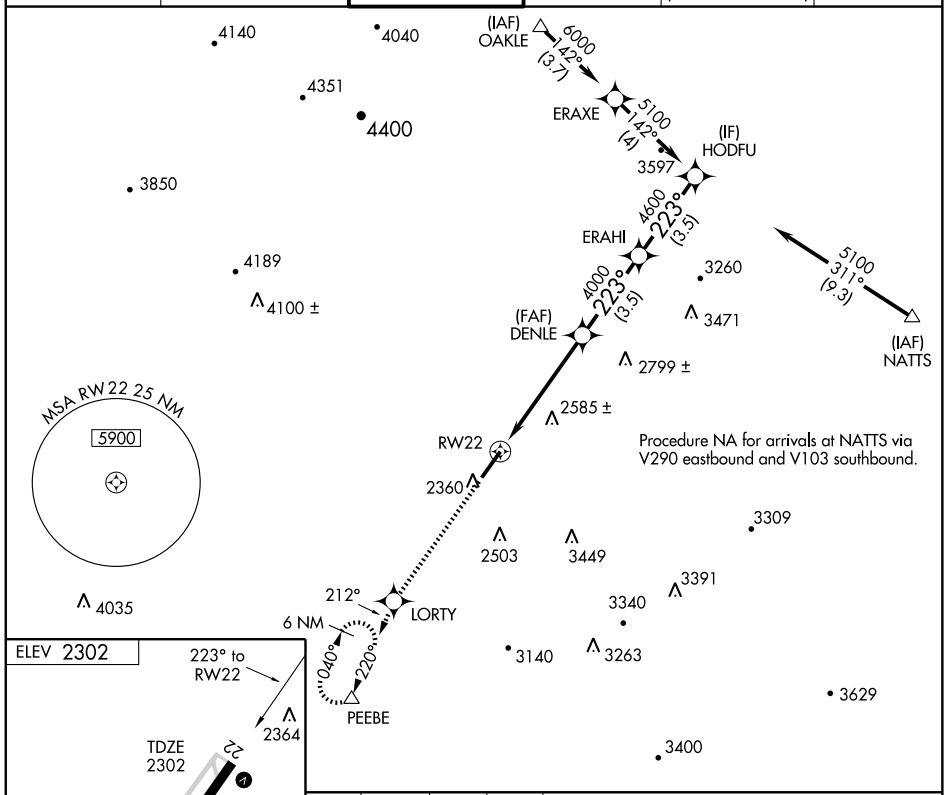
RNAV (GPS) RWY 22

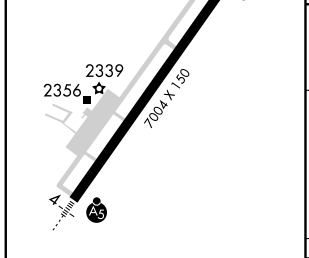
LEWISBURG/GREENBRIER VALLEY (LWB)

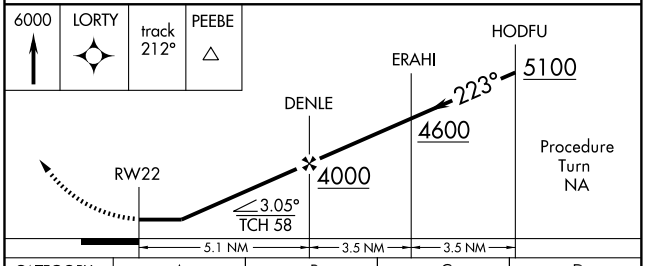
DME/DME RNP -0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Beckley altimeter setting and increase all MDA 120 feet, LNAV Cat C and Cat D visiblity ¼ mile, and Circling Cat C visibility ½ mile.

MISSED APPROACH: Climb to 6000 direct LORTY and via track 212° to PEEBE and hold, continue climb-in-hold to 6000.

AWOS-3	WASHINGTON CENTER	LEWISBURG TOWER*	GND CON	CLNC DEL	UNICOM
121.4	134.4 353.9	118.9 (CTAF) L	121.9	120.85 (When tower closed)	122.95







CATEGORY	A	B	C	D
LNAV MDA	2760-1 458 (500-1)		2760-1¼ 458 (500-1¼)	2760-1½ 458 (500-1½)
CIRCLING	2820-1 518 (600-1)	2900-1 598 (600-1)	3080-2¼ 778 (800-2¼)	3280-3 978 (1000-3)

REIL Rwy 22
HIRL Rwy 4-22 L

NE-4. 22 OCT 2009 to 19 NOV 2009

VOR/DME LWB	APP CRS	Rwy ldg	7004
116.05	048°	TDZE	2288
Chan 107 (Y)		Apt Elev	2302

VOR RWY 4

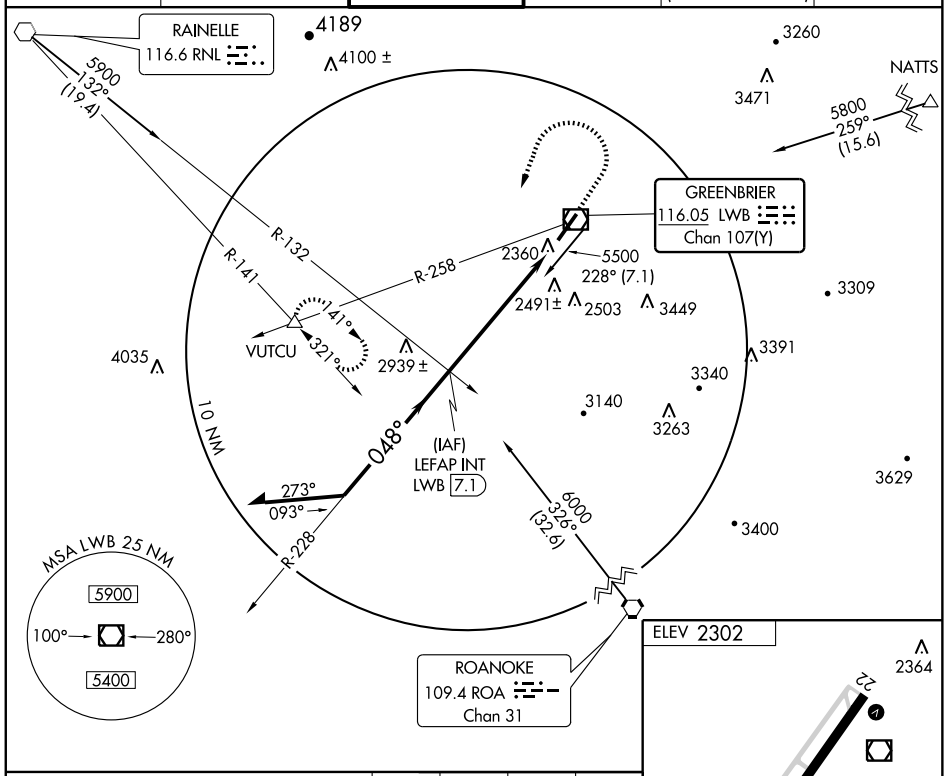
LEWISBURG/ GREENBRIER VALLEY (LWB)

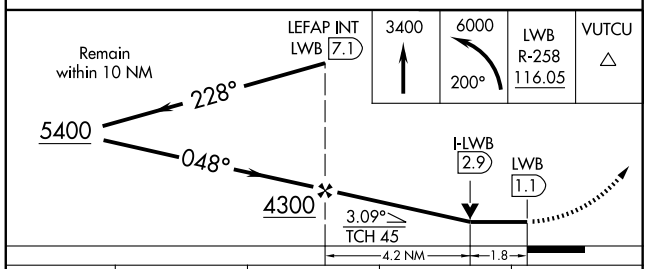
Visibility reduction by helicopters NA. When local altimeter setting not received, use Beckley altimeter setting and increase all MDA 120 feet, S-4 Cat C and Cat D and Circling Cat C visbility ½ mile. For inoperative MALSR, increase S-4 Cats A and B visbility ¼ mile. For inoperative MALSR, when using Beckley altimeter setting, increase S-4 Cat A visibility ¼ mile.

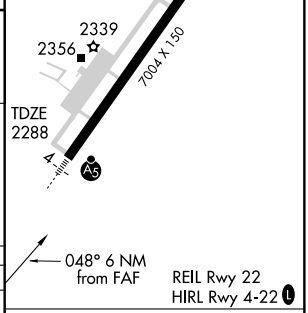
MALSR

MISSED APPROACH: Climb to 3400, then climbing left turn to 6000 via heading 200° and LWB VOR/DME R-258 to VUTCU INT and hold, continue climb-in-hold 6000.

AWOS-3	WASHINGTON CENTER	LEWISBURG TOWER★	GND CON	CLNC DEL	UNICOM
121.4	134.4 353.9	118.9 (CTAF) L	121.9	120.85 (When tower closed)	122.95







REIL Rwy 22
HIRL Rwy 4-22 L

CATEGORY	A	B	C	D
S-4	2920-¾ 632 (700-¾)		2920-1¼ 632 (700-1¼)	2920-1½ 632 (700-1½)
CIRCLING	2920-1 618 (700-1)		3080-2¼ 778 (800-2¼)	3280-3 978 (1000-3)

FAF to MAP 6 NM

Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

VOR/DME LWB	APP CRS	Rwy ldg	7004
116.05	208°	TDZE	2302
Chan 107 (Y)		Apt Elev	2302

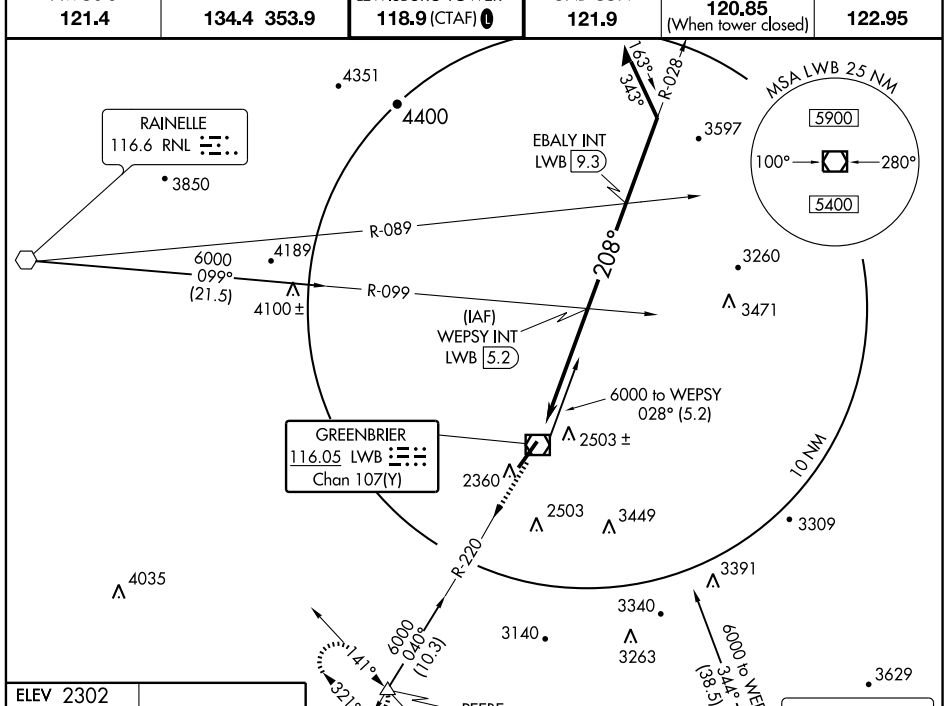
VOR RWY 22

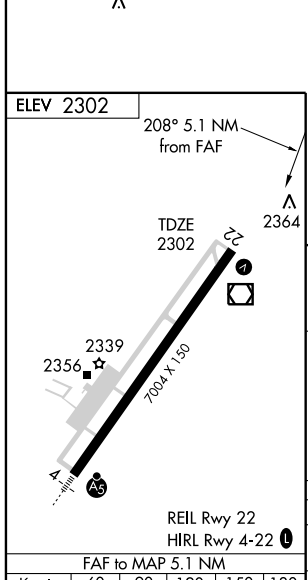
LEWISBURG/ GREENBRIER VALLEY (LWB)

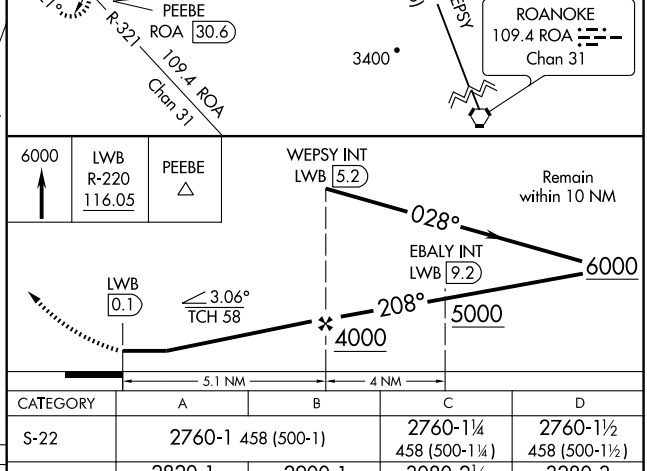
Visibility reduction by helicopters NA. When local altimeter setting not received, use Beckley altimeter setting and increase all MDA 120 feet, S-22 Cats C and D visibility ¼ mile and Circling Cat C visibility ½ mile.

MISSED APPROACH: Climb to 6000 via LWB VOR/DME R-220 to PEEBE INT/ROA 30.6 DME and hold, continue climb-in-hold to 6000.

AWOS-3	WASHINGTON CENTER	LEWISBURG TOWER★	GND CON	CLNC DEL	UNICOM
121.4	134.4 353.9	118.9 (CTAF)	121.9	120.85 (When tower closed)	122.95







FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

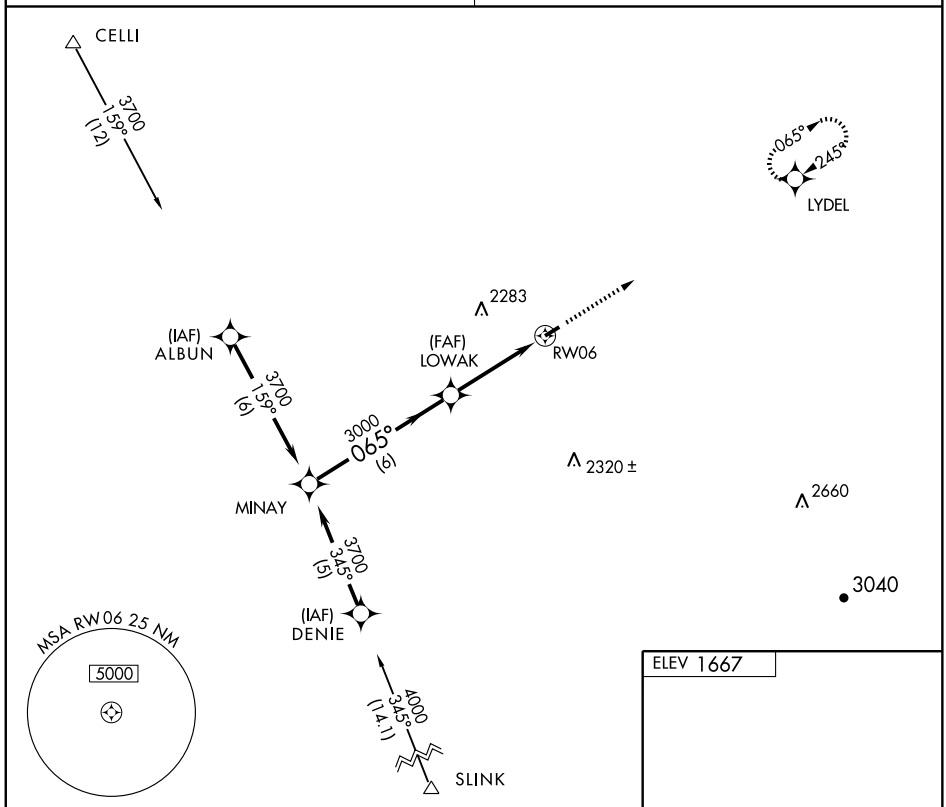
CATEGORY	A	B	C	D
S-22	2760-1 458 (500-1)		2760-1¼ 458 (500-1¼)	2760-1½ 458 (500-1½)
CIRCLING	2820-1 518 (600-1)	2900-1 598 (600-1)	3080-2¼ 778 (800-2¼)	3280-3 978 (1000-3)

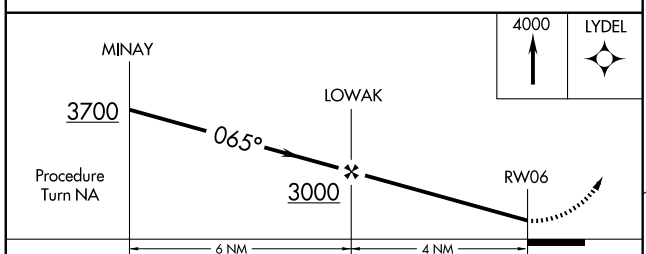
NE-4. 22 OCT 2009 to 19 NOV 2009

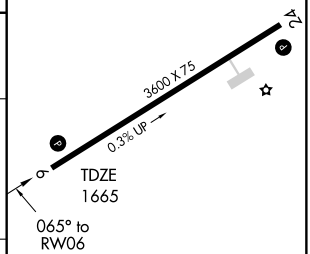
APP CRS	Rwy ldg	3600
065°	TDZE	1665
	Apt Elev	1667

GPS RWY 6
LOGAN COUNTY (6L4)

NA Use Charleston altimeter setting.	MISSED APPROACH: Climb to 4000 direct LYDEL WP and hold.
CHARLESTON APP CON 119.2 269.125	CTAF L 122.9







CATEGORY	A	B	C	D
S-6	2500-1 835 (900-1)	2500-1¼ 835 (900-1¼)	2500-2½ 835 (900-2½)	NA
CIRCLING	2500-1 833 (900-1)	2500-1¼ 833 (900-1¼)	2500-2½ 833 (900-2½)	NA

MIRL Rwy 6-24 L

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	3600
245°	TDZE	1667
	Apt Elev	1667

GPS RWY 24
LOGAN COUNTY (6L4)

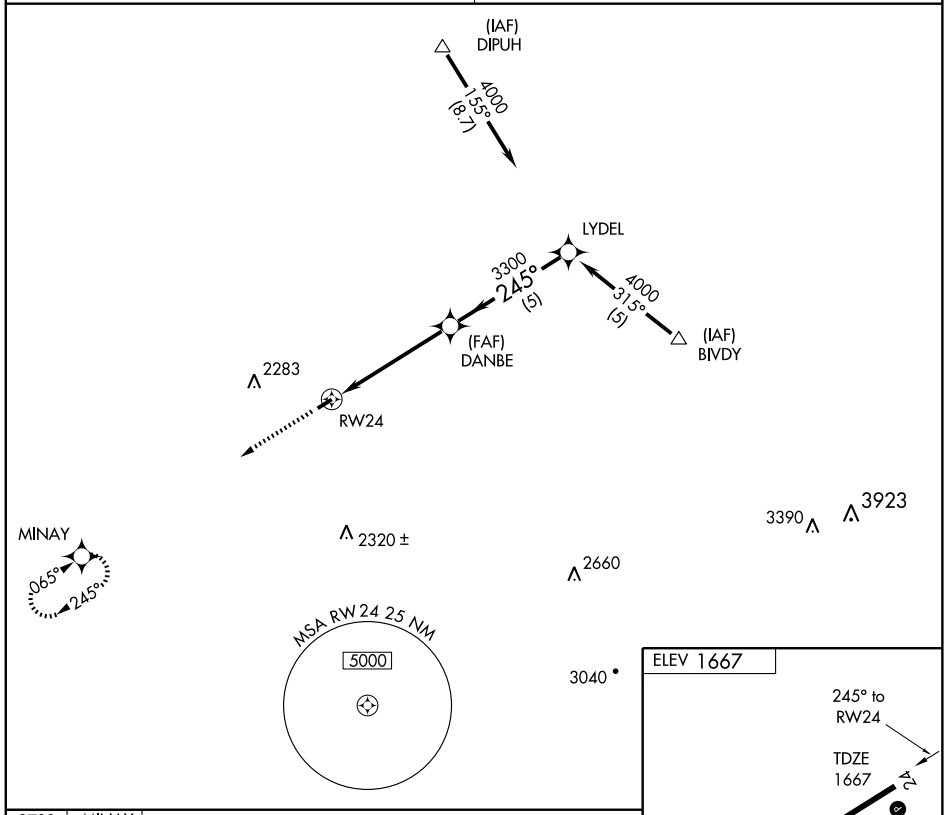
NA

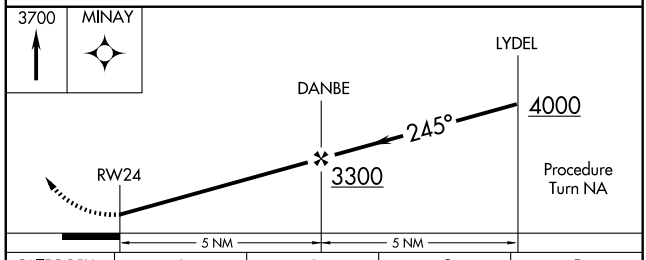
Use Charleston altimeter setting.

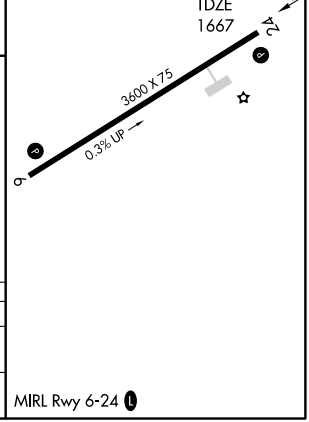
MISSED APPROACH: Climb to 3700 direct MINAY WP and hold.

CHARLESTON APP CON
119.2 269.125

CTAF L
122.9







CATEGORY	A	B	C	D
S-24	2420-1 753 (800-1)	2420-1¼ 753 (800-1¼)	2420-2¼ 753 (800-2¼)	NA
CIRCLING	2420-1 753 (800-1)	2440-1¼ 773 (800-1¼)	2460-2¼ 793 (800-2¼)	NA

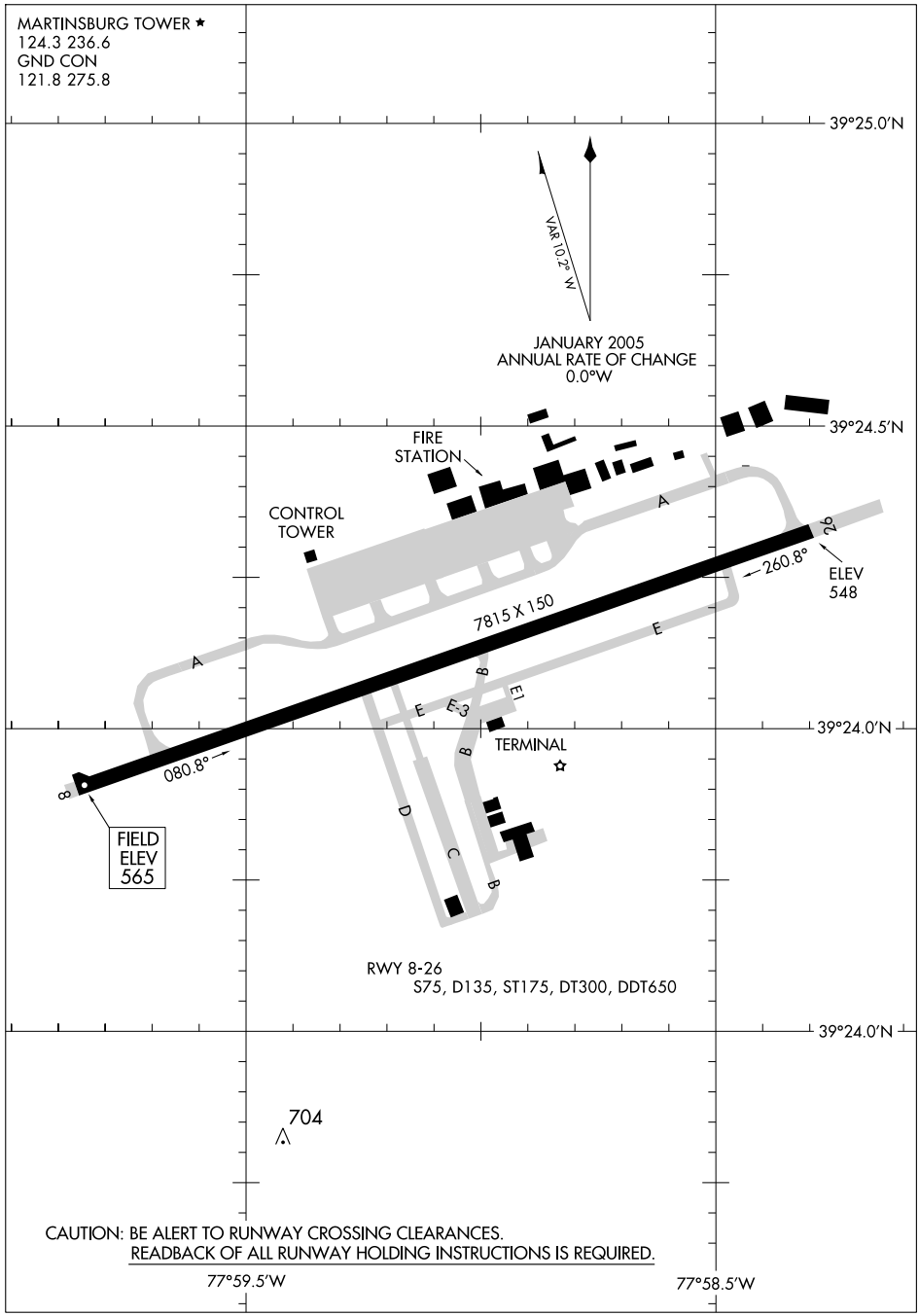
08325

AIRPORT DIAGRAM

EASTERN WEST VIRGINIA RGNL/SHEPHERD FIELD (MRB)

AL-249 (FAA)

MARTINSBURG, WEST VIRGINIA



NE-4, 22 OCT 2009 to 19 NOV 2009

LOC I-EXW	APP CRS	Rwy ldg	7815
108.3	259°	TDZE	548
		Apt Elev	557

MARTINSBURG/
EASTERN WEST VIRGINIA RGNL/SHEPHERD FIELD (MRB)

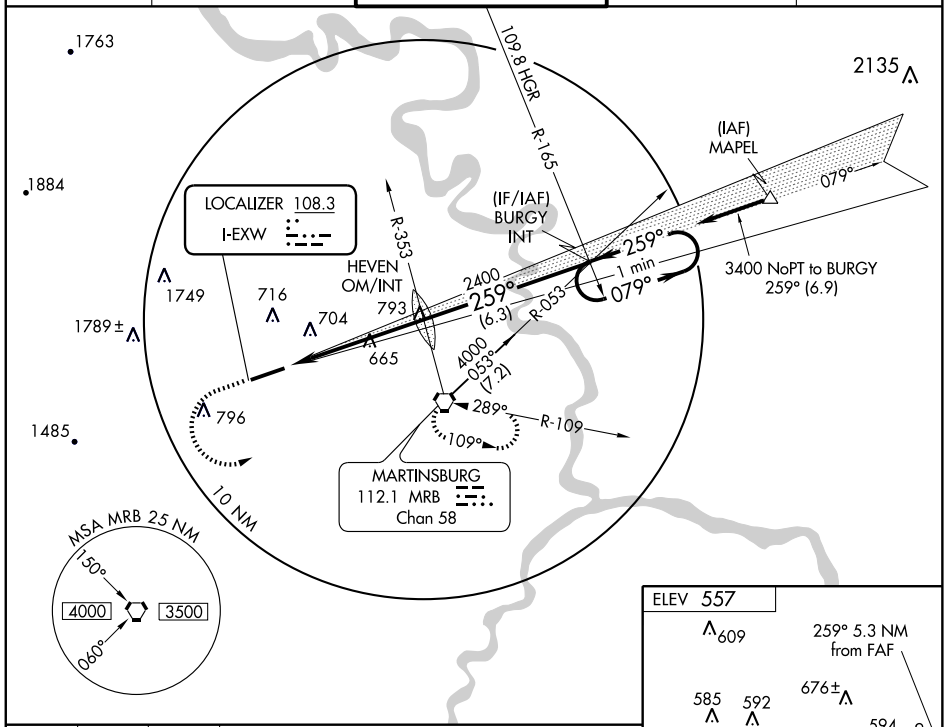
ILS or LOC RWY 26

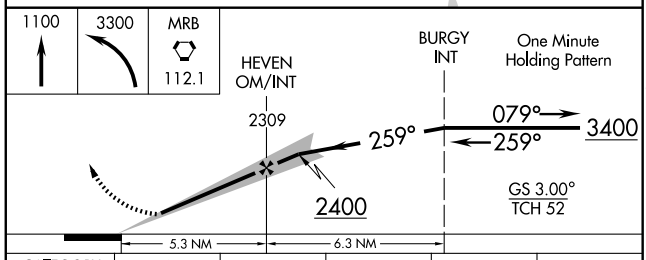
For inoperative MALSR, increase S-ILS 26 Cat E visibility to ¾ mile and S-LOC 26 Cat E visibility to 1¼ mile. When local altimeter setting not received, use Hagerstown altimeter setting and increase all DA 71 feet and all MDA 80 feet and S-LOC 26 Cat C, D, E visibility ¼mile. For inoperative MALSR when using Hagerstown altimeter setting increase S-ILS 26 all Cats visibility to 1 mile, S-LOC 26 Cat E visibility to 1½ mile.

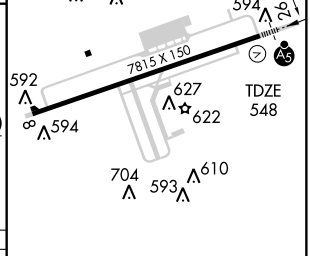
MALSR

MISSED APPROACH: Climb to 1100 then climbing left turn to 3300 direct MRB VORTAC and hold.

ASOS	POTOMAC APP CON	MARTINSBURG TOWER ★	GND CON	UNICOM
119.925	126.1 338.25	124.3 (CTAF) L 236.6	121.8 275.8	122.95







HIRL Rwy 8-26 L

CATEGORY	A	B	C	D	E
S-ILS 26	748-½ 200 (200-½)				
S-LOC 26	920-½ 372 (400-½)			920-¾ 372 (400-¾)	
CIRCLING	1020-1 463 (500-1)	1080-1 523 (600-1)	1080-1½ 523 (600-1½)	1120-2 563 (600-2)	2140-3 1583 (1600-3)

FAF to MAP 5.3 NM

Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	7815
079°	TDZE	565
	Apt Elev	557

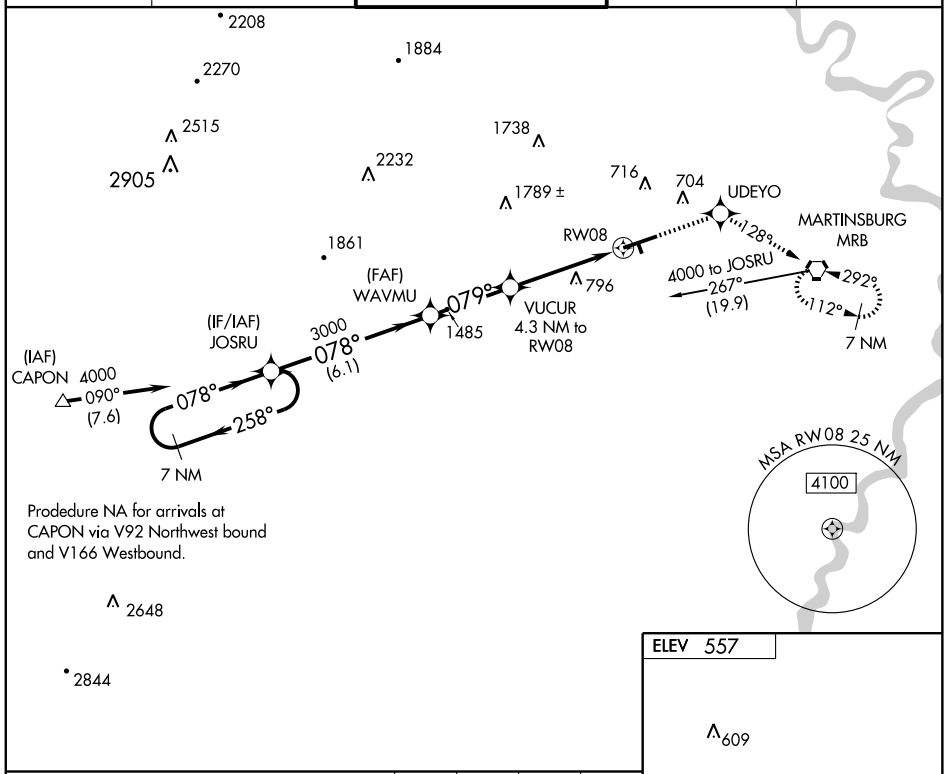
RNAV (GPS) RWY 8

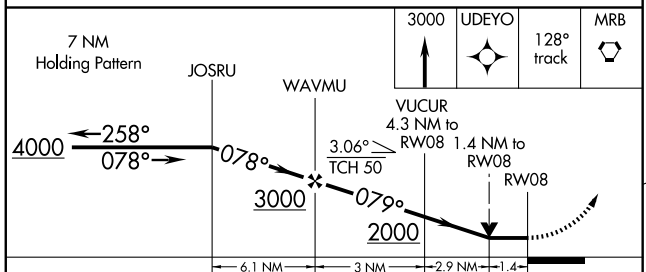
MARTINSBURG/ EASTERN WEST VIRGINIA RGNL/SHEPHERD FIELD (MRB)

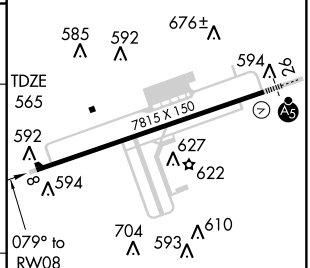
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
When local altimeter setting not received, use Hagerstown altimeter setting and increase all MDA 80 feet, LNAV Cat C, D, E visibility ¼ mile, and Circling Cat C visibility ¼ mile. VDP NA when using Hagerstown altimeter setting.

MISSED APPROACH: Climb to 3000 direct UDEYO and via 128° track to MRB VORTAC and hold.

ASOS	POTOMAC APP CON	MARTINSBURG TOWER ★	GND CON	UNICOM
119.925	126.1 338.25	124.3 (CTAF) (L) 236.6	121.8 275.8	122.95







CATEGORY	A	B	C	D	E
LNAV MDA	1060 - 1 495 (500-1)		1060 - 1¼ 495 (500-1¼)	1060 - 1½ 495 (500-1½)	1060 - 1¾ 495 (500-1¾)
CIRCLING	1060 - 1 503 (600-1)	1080 - 1 523 (600-1)	1080 - 1½ 523 (600-1½)	1120 - 2 563 (600-2)	2140 - 3 1583 (1600-3)

HIRL Rwy 8-26 (L)

NE-4. 22 OCT 2009 to 19 NOV 2009

WAAS CH 53609 W26A	APP CRS 259°	Rwy ldg 7815 TDZE 548 Apt Elev 557

RNAV (GPS) RWY 26

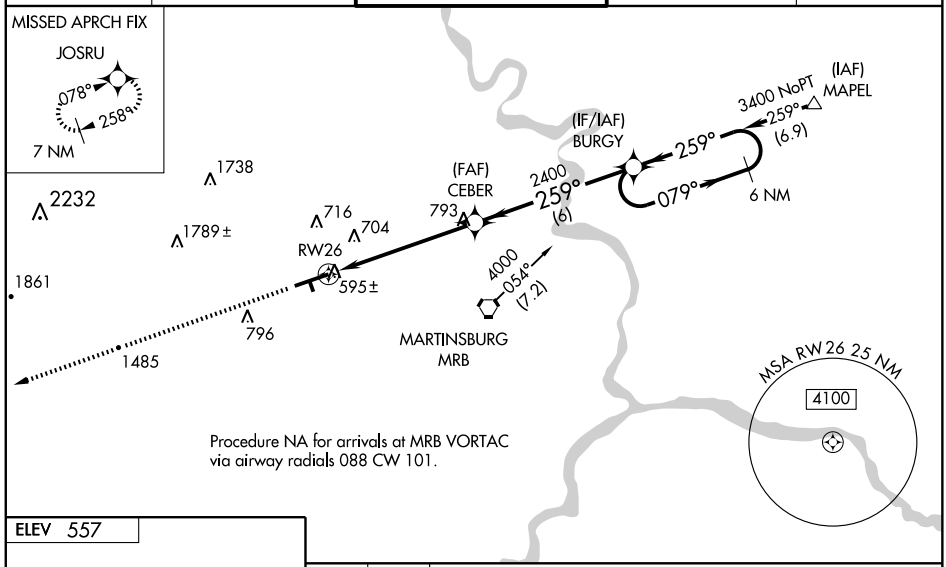
MARTINSBURG/ EASTERN WEST VIRGINIA RGNL/SHEPHERD FIELD (MRB)

Baro-VNAV NA when using Hagerstown altimeter setting. DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 48°C (118°F). VDP NA when using Hagerstown altimeter setting.
When local altimeter setting not received, use Hagerstown altimeter setting and increase all DA 71 feet and MDA 80 feet, increase LNAV/VNAV all Cats visibility to 2 mile, LNAV Cat C, D, E to ¾ mile and Circling Cat C to 1¾ mile.
For inoperative MALSR increase LPV Cat E visibility to ¾ mile, LNAV/VNAV Cat E to 2¼ mile, LNAV Cat E to 1½ mile. For inoperative MALSR when using Hagerstown altimeter setting increase LPV all Cats visibility to 1 mile, LNAV/VNAV Cat E visibility to 2 ½ mile and LNAV Cat E visibility to 1¾ mile.

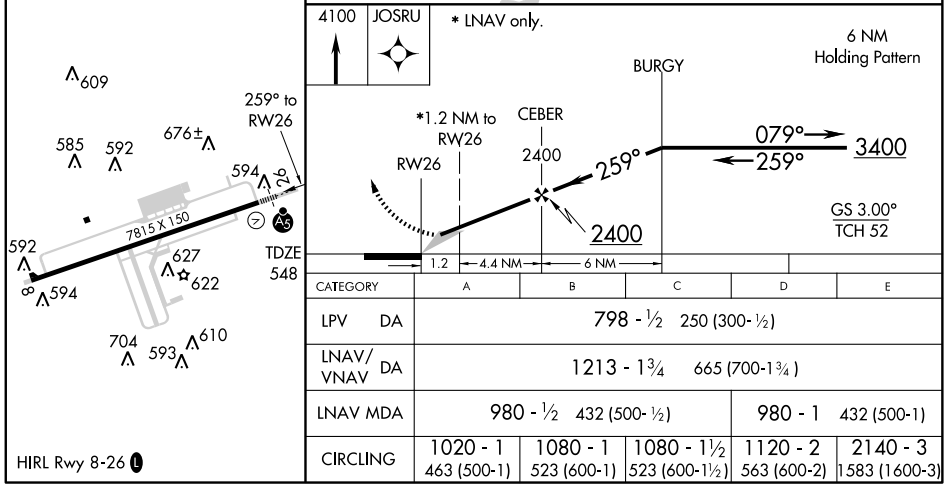
MALSR

MISSED APPROACH: Climb to 4100 direct JOSRU and hold.

ASOS	POTOMAC APP CON	MARTINSBURG TOWER ★	GND CON	UNICOM
119.925	126.1 338.25	124.3 (CTAF) L 236.6	121.8 275.8	122.95



Procedure NA for arrivals at MRB VORTAC via airway radials 088 CW 101.



CATEGORY	A	B	C	D	E
LPV DA	798 - ½ 250 (300-½)				
LNAV/VNAV DA	1213 - 1¾ 665 (700-1¾)				
LNAV MDA	980 - ½ 432 (500-½)			980 - 1 432 (500-1)	
CIRCLING	1020 - 1 463 (500-1)	1080 - 1 523 (600-1)	1080 - 1½ 523 (600-1½)	1120 - 2 563 (600-2)	2140 - 3 1583 (1600-3)

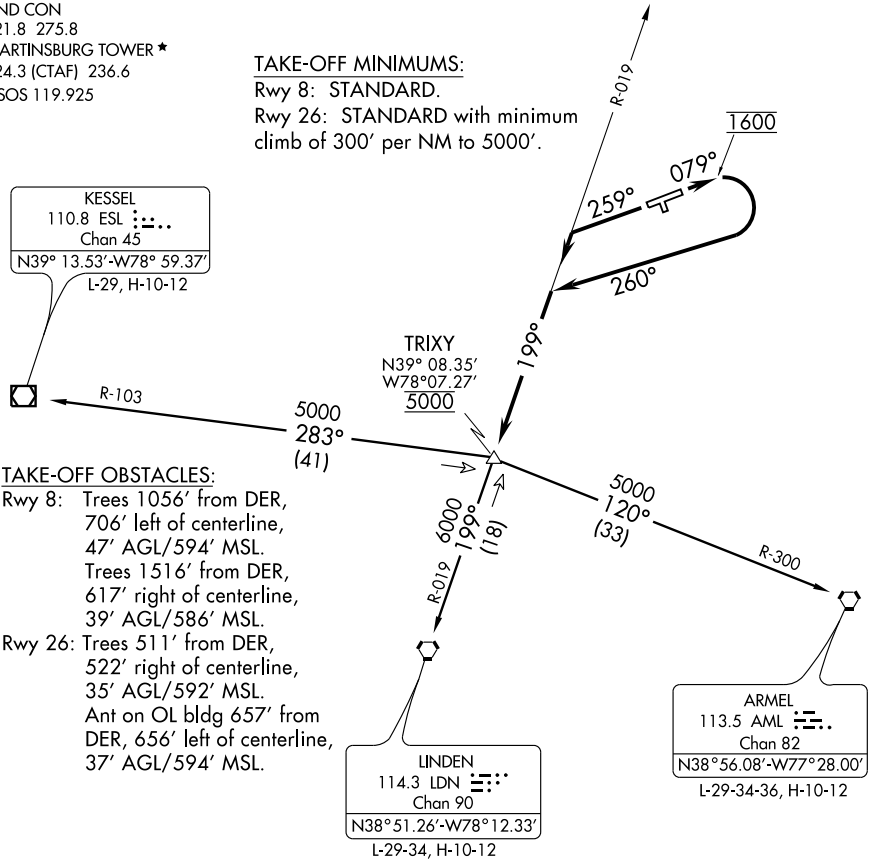
NE-4. 22 OCT 2009 to 19 NOV 2009

TRIXY FOUR DEPARTURE

SL-249 (FAA) MARTINSBURG, WEST VIRGINIA

POTOMAC DEP CON
126.1 338.25
GND CON
121.8 275.8
MARTINSBURG TOWER ★
124.3 (CTAF) 236.6
ASOS 119.925

TAKE-OFF MINIMUMS:
Rwy 8: STANDARD.
Rwy 26: STANDARD with minimum climb of 300′ per NM to 5000′.



TAKE-OFF OBSTACLES:
Rwy 8: Trees 1056′ from DER, 706′ left of centerline, 47′ AGL/594′ MSL.
Trees 1516′ from DER, 617′ right of centerline, 39′ AGL/586′ MSL.
Rwy 26: Trees 511′ from DER, 522′ right of centerline, 35′ AGL/592′ MSL.
Ant on OL bldg 657′ from DER, 656′ left of centerline, 37′ AGL/594′ MSL.

Note: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 8: Climb heading 079° to 1600 then climbing right turn heading 260° to intercept LDN R-019 to TRIXY INT then via (transition) or (assigned route). Cross TRIXY INT at 5000. Thence . . . .
TAKE-OFF RUNWAY 26: Climb heading 259° to intercept LDN R-019 to TRIXY INT then via (transition) or (assigned route). Cross TRIXY INT at 5000. Thence . . . .
. . . . Maintain 6000, expect filed altitude/flight level 10 minutes after departure.

ARMEL TRANSITION (TRIXY4.AML): From over TRIXY INT via AML R-300 to AML VORTAC.
KESSEL TRANSITION (TRIXY4.ESL): From over TRIXY INT via ESL R-103 to ESL VOR/DME.
LINDEN TRANSITION (TRIXY4.LDN): From over TRIXY INT via LDN R-019 to LDN VORTAC.

NE-4, 22 OCT 2009 to 19 NOV 2009

VORTAC MRB	APP CRS	Rwy ldg	N/A
112.1	286°	TDZE	N/A
Chan 58		Apt Elev	557

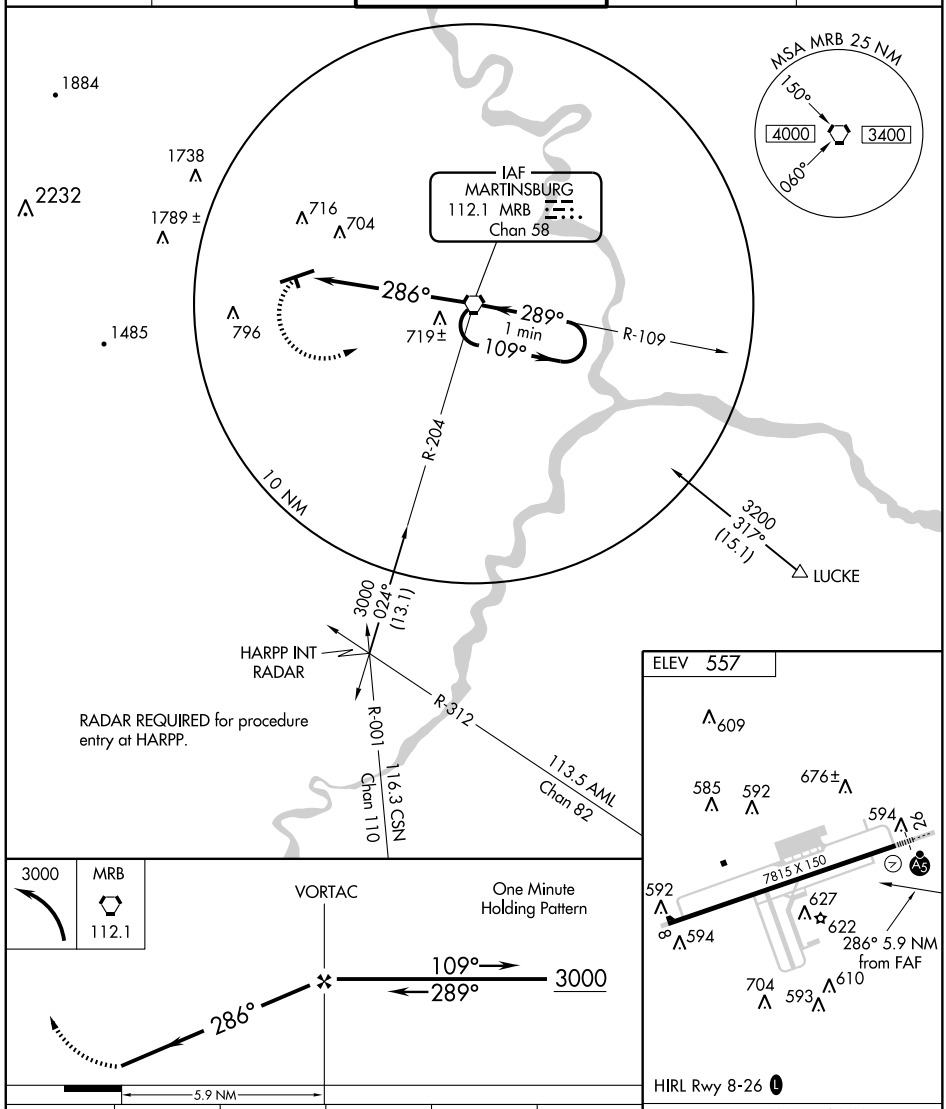
VOR-A

MARTINSBURG/ EASTERN WEST VIRGINIA RGNL/SHEPHERD FIELD (MRB)

When local altimeter setting not received, use Hagerstown altimeter setting and increase all MDAs 80 feet and Cat C visibility ¼ mile.

MISSED APPROACH: Climbing left turn to 3000 direct MRB VORTAC and hold, continue climb in hold to 3000.

ASOS	POTOMAC APP CON	MARTINSBURG TOWER ★	GND CON	UNICOM
119.925	126.1 338.25	124.3 (CTAF) L 236.6	121.8 275.8	122.95



CATEGORY	A	B	C	D	E
CIRCLING	1020 - 1 463 (500-1)	1080 - 1 523 (600-1)	1080 - 1½ 523 (600-1½)	1120 - 2 563 (600-2)	2140 - 3 1583 (1600-3)

FAF to MAP 5.9 NM

Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	3020
065°	TDZE	572
	Apt Elev	572

GPS RWY 7
MILTON/ONA AIRPARK (12V)

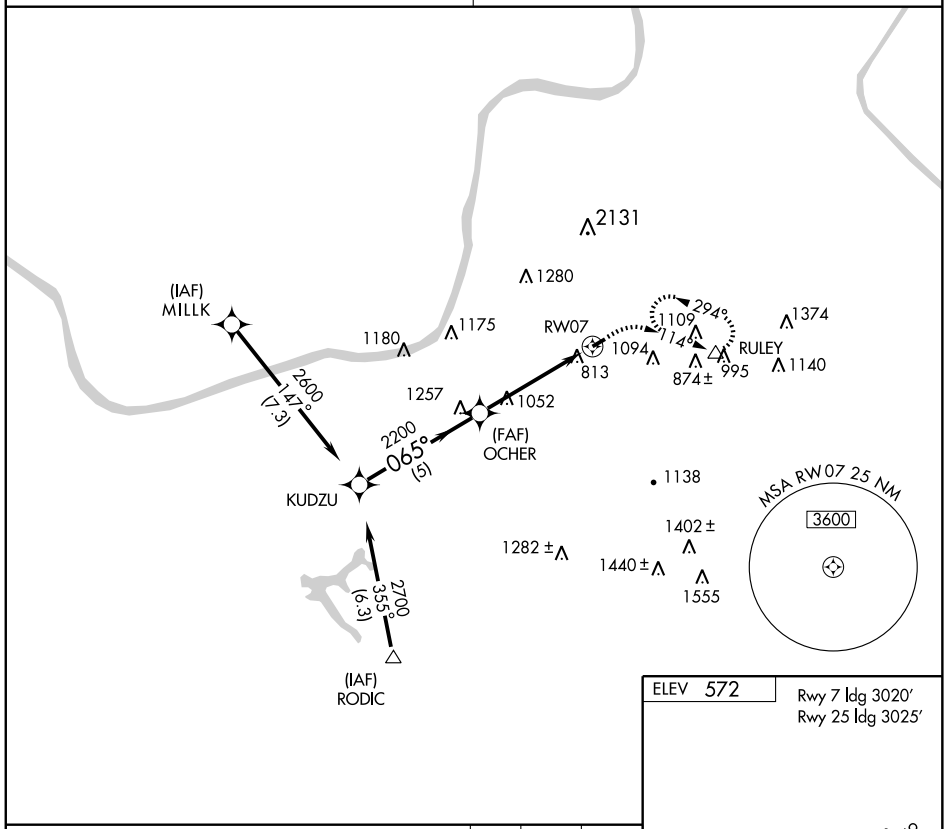
Use Huntington altimeter setting.
Circling not authorized Northwest of Rwy 7-25.
Procedure not authorized at night.

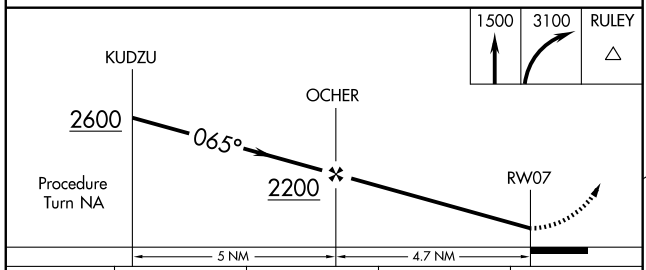
NA

MISSED APPROACH: Climb to 1500 then climbing right turn to 3100 direct RULEY and hold.

CHARLESTON APP CON
124.1 269.125

UNICOM
122.8 (CTAF)

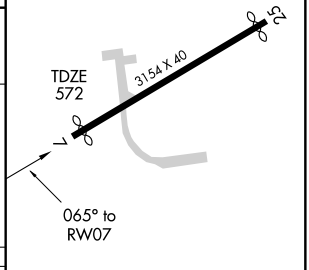




CATEGORY	A	B	C	D
S-7	1480-1¼ 908 (1000-1¼)	NA		
CIRCLING	1480-1¼ 908 (1000-1¼)	NA		

ELEV 572

Rwy 7 ldg 3020′
Rwy 25 ldg 3025′



LIRL Rwy 7-25

NE-4. 22 OCT 2009 to 19 NOV 2009

MILTON, WEST VIRGINIA

AL-6971 (FAA)

VORTAC HVQ 117.4 Chan 121	APP CRS 288°	Rwy ldg N/A TDZE N/A Apt Elev 572

VOR-A

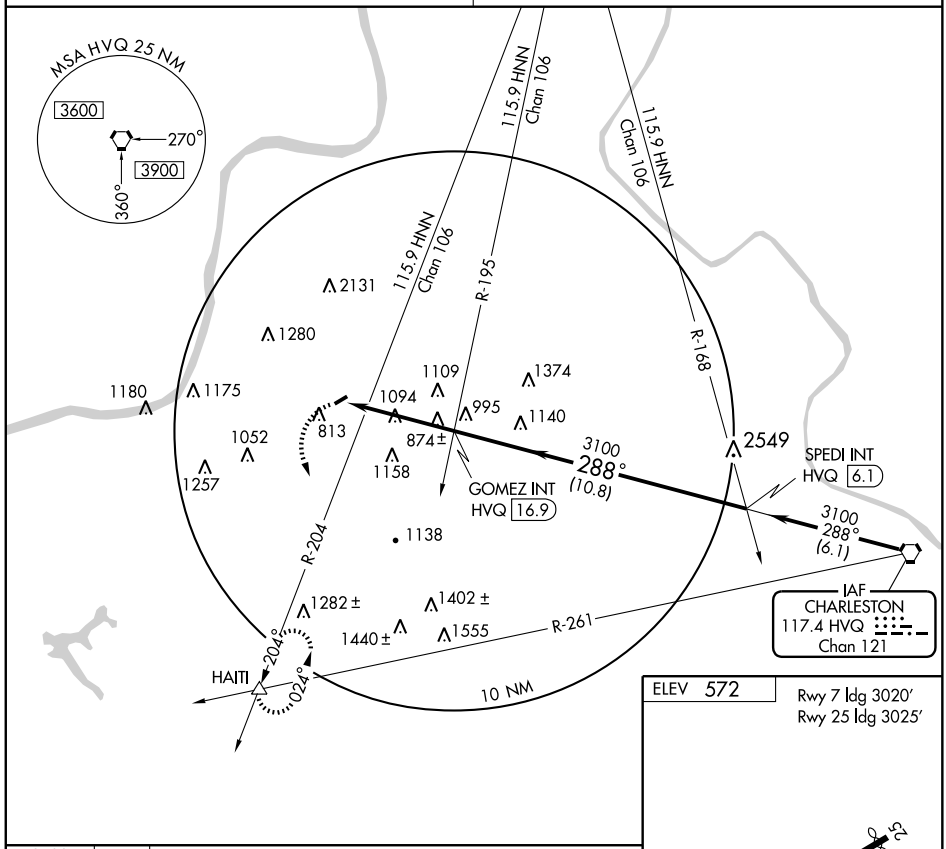
MILTON/ONA AIRPARK (12V)

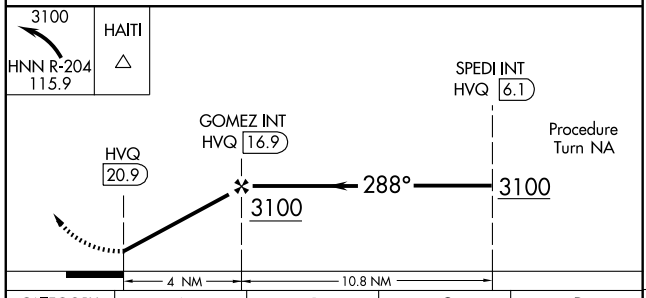
Use Huntington altimeter setting.
Circling not authorized Northwest of Rwy 7-25.
Procedure not authorized at night.

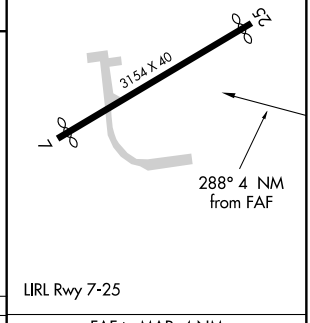
NA

MISSED APPROACH: Climbing left turn to 3100 via HNN R-204 to HAITI Int and hold.

CHARLESTON APP CON	UNICOM
124.1 269.125	122.8 (CTAF)







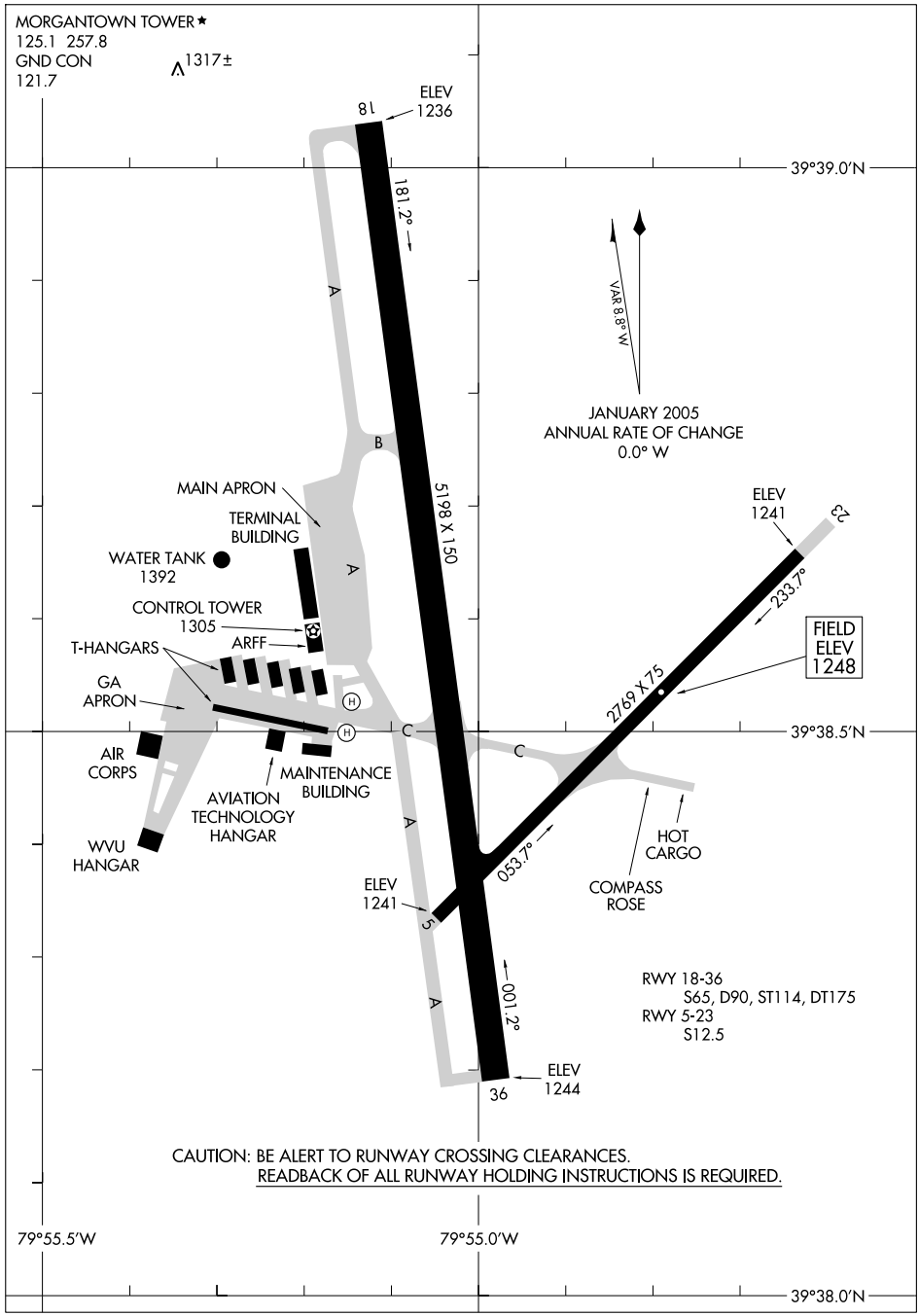
CATEGORY	A	B	C	D
CIRCLING	1500-1¼ 928 (1000-1¼)	NA		

FAF to MAP 4 NM					
Knots	60	90	120	150	180
Min:Sec	4:00	2:40	2:00	1:36	1:20

NE-4, 22 OCT 2009 to 19 NOV 2009

AIRPORT DIAGRAM

MORGANTOWN MUNI-WALTER L. BILL HART FIELD (MGW)
AL-479 (FAA)
MORGANTOWN, WEST VIRGINIA



NE-4, 22 OCT 2009 to 19 NOV 2009

LOC I-MGW	APP CRS	Rwy ldg	5199
108.5	181°	TDZE	1240
		Apt Elev	1248

ILS or LOC RWY 18

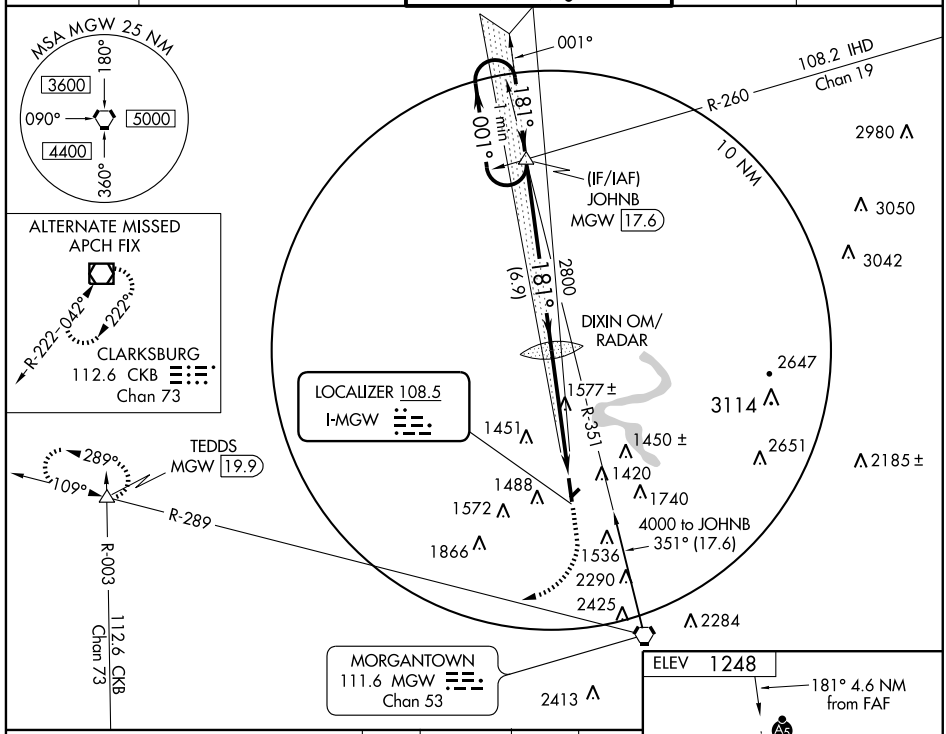
MORGANTOWN MUNI-WALTER L. BILL HART FIELD (MGW)

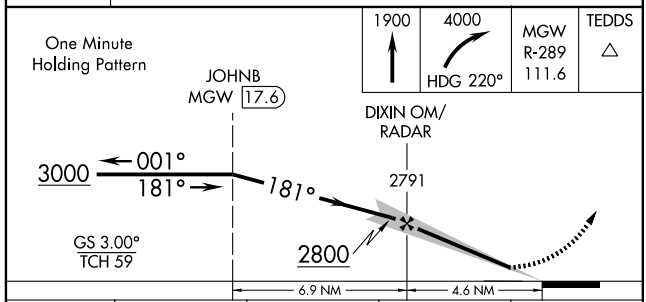
When local altimeter setting not received, use Clarksburg altimeter setting and increase all DA 63 feet and all MDA 80 feet and increase LOC Cat C, D and Circling Cat C visibility ¼ mile. For inoperative MALSR when using Clarksburg altimeter setting increase ILS all Cats visibility ½ mile

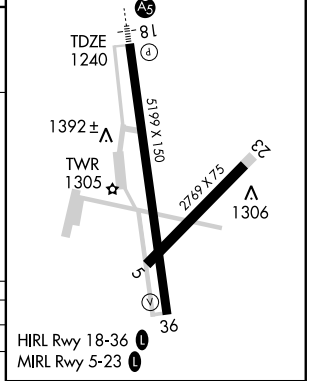
MALSR

MISSED APPROACH: Climb to 1900 then climbing right turn to 4000 via heading 220° and MGW R-289 to TEDDS INT/MGW 19.9 DME and hold.

ASOS	CLARKSBURG APP CON ★	MORGANTOWN TOWER ★	GND CON	UNICOM
120.675	121.15 269.375	125.1 (CTAF) L 257.8	121.7	122.95







CATEGORY	A	B	C	D
S-ILS 18	1440-½ 200 (200-½)			
S-LOC 18	1840-½ 600 (600-½)		1840-1 600 (600-1)	1840-1¼ 600 (600-1¼)
CIRCLING	1840-1 592 (600-1)		1840-1½ 592 (600-1½)	2100-2¾ 852 (900-2¾)

FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	5199
016°	TDZE	1244
	Apt Elev	1248

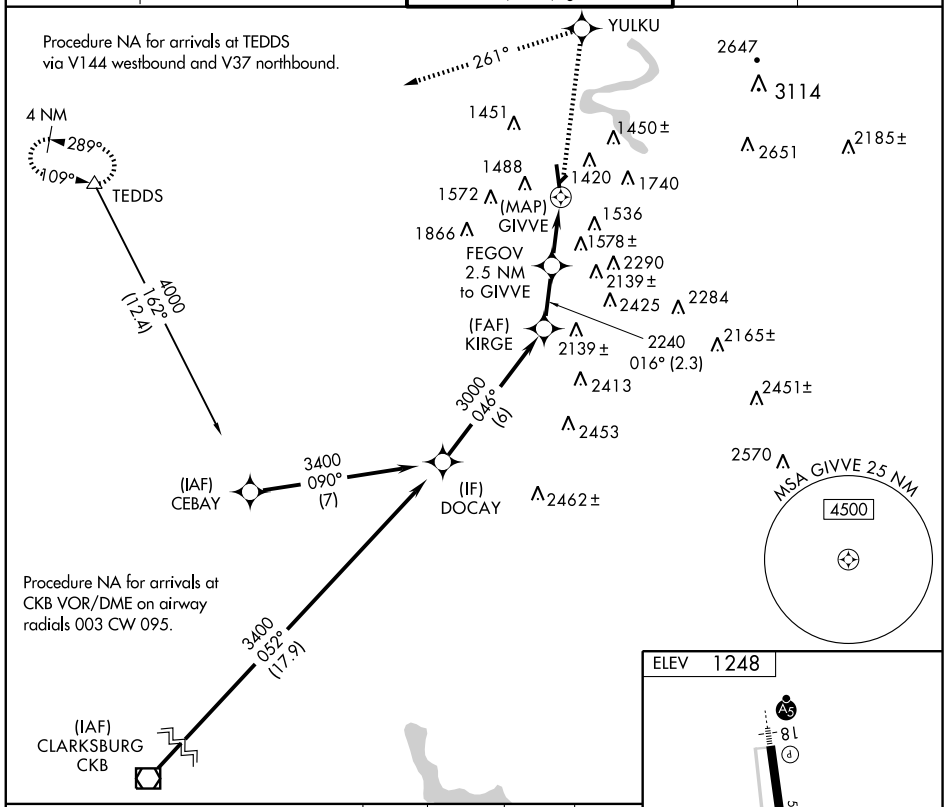
RNAV (GPS) RWY 36

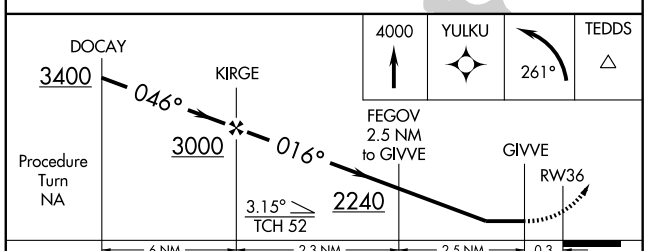
MORGANTOWN MUNI-WALTER L. BILL HART FIELD (MGW)

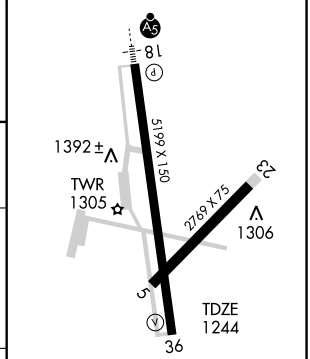
DME/DME RNP-0.3 NA. Straight-in minimums NA at night. Circling to Rwys 23 and 36 NA at night. If local altimeter setting not received, use Clarksburg altimeter setting and increase all MDAs 80 feet. Visibility reduction by Helicopters NA.

MISSED APPROACH: Climb to 4000 direct YULKU and left turn via 261° track to TEDDS and hold.

ASOS	CLARKSBURG APP CON ★	MORGANTOWN TOWER ★	GND CON	UNICOM
120.675	121.15 269.375	125.1 (CTAF) L 257.8	121.7	122.95







CATEGORY	A	B	C	D
LNAV MDA	1760-1	516 (600-1)	1760-1½ 516 (600-1½)	1760-1¾ 516 (600-1¾)
CIRCLING	1800-1	552 (600-1)	1800-1½ 552 (600-1½)	2100-2¾ 852 (900-2¾)

016° to GIVVE

HIRL Rwy 18-36 L
MIRL Rwy 5-23 L

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	5199
181°	TDZE	1240
	Apt Elev	1248

RNAV (GPS) Y RWY 18

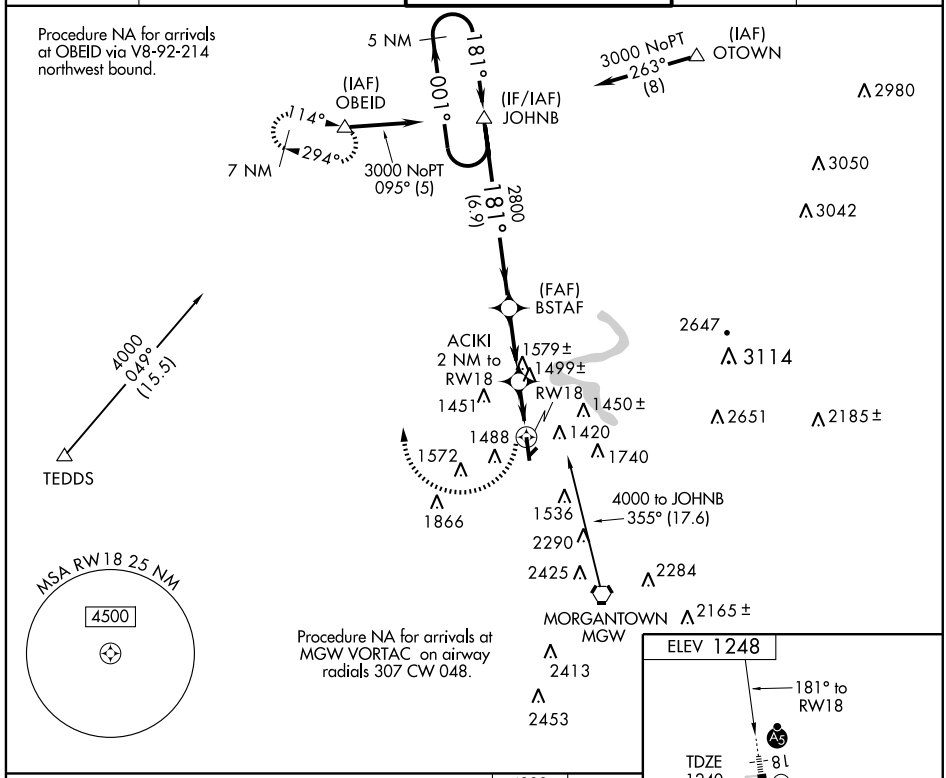
MORGANTOWN MUNI-WALTER L. BILL HART FIELD (MGW)

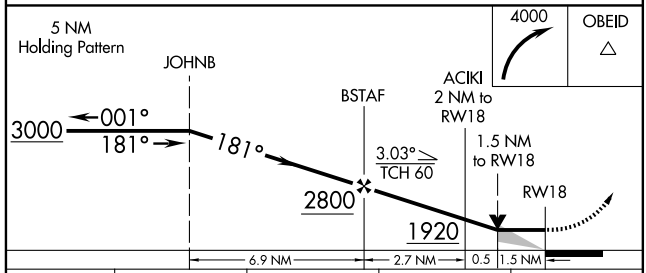
DME/DME RNP-0.3 NA. When local altimeter setting not received, use Clarksburg altimeter setting and increase all MDA 80 feet and Circling Cat. C, D visibility ¼ mile. VDP NA when using Clarksburg altimeter setting.

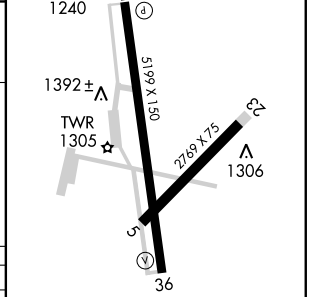
MALSR

MISSED APPROACH: Climbing right turn to 4000 direct OBEID and hold.

ASOS	CLARKSBURG APP CON ★	MORGANTOWN TOWER ★	GND CON	UNICOM
120.675	121.15 269.375	125.1 (CTAF) L 257.8	121.7	122.95







CATEGORY	A	B	C	D
LNAV MDA	1760-½ 520 (600-½)		1760-1 520 (600-1)	1760-1¼ 520 (600-1¼)
CIRCLING	1800-1 552 (600-1)		1800-1½ 552 (600-1½)	2100-2¾ 852 (900-2¾)

HIRL Rwy 18-36 L
MIRL Rwy 5-23 L

NE-4. 22 OCT 2009 to 19 NOV 2009

WAAS CH 50412 W18A	APP CRS 181°	Rwy ldg 5199 TDZE 1240 Apt Elev 1248

RNAV (GPS) Z RWY 18

MORGANTOWN MUNI-WALTER L. BILL HART FIELD (MGW)

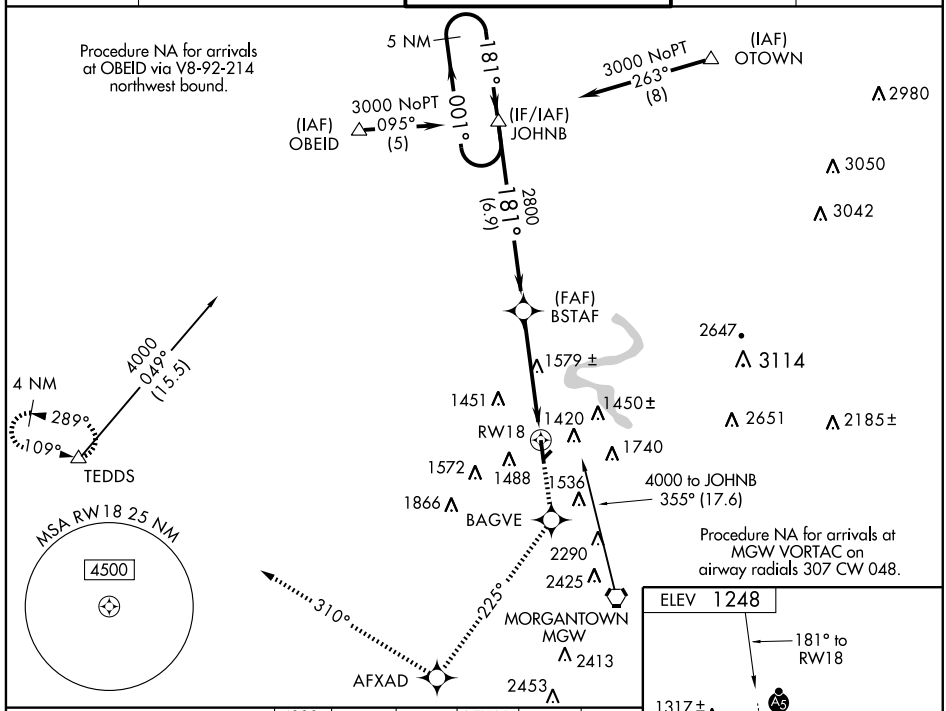
For uncompensated Baro-VNAV systems, procedure NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA.

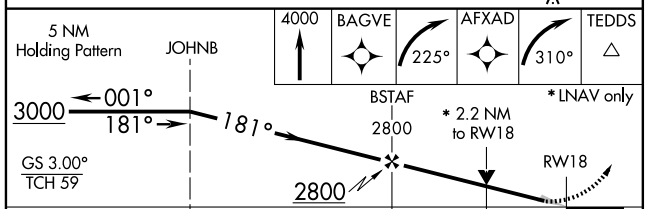
When local altimeter setting not received, use Clarksburg altimeter setting increase all DA 63 feet and MDA 80 feet and increase visibility LVAV/VNAV ¼ mile all Cats, LNAV Cat. A, C, D and Circling Cat. C, D ¼ mile. For inoperative MALSR when using Clarksburg altimeter setting increase visibility LPV ½ mile all Cats. Baro-VNAV and VDP NA when using Clarksburg altimeter setting.

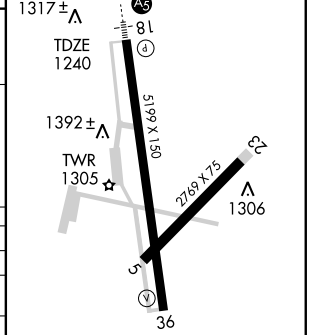
MALSR

MISSED APPROACH: Climb to 4000 direct BAGVE and right turn via 225° track to AFXAD and right turn via 310° track to TEDDS and hold.

ASOS	CLARKSBURG APP CON ★	MORGANTOWN TOWER ★	GND CON	UNICOM
120.675	121.15 269.375	125.1 (CTAF) L 257.8	121.7	122.95







HIRL Rwy 18-36 L
MIRL Rwy 5-23 L

CATEGORY	A	B	C	D
LPV DA	1440-½ 200 (200-½)			
LNAV/VNAV DA	1869-1¾ 629 (700-1¾)			
LNAV MDA	2000-½ 760 (800-½)	2000-¾ 760 (800-¾)	2000-1¾ 760 (800-1¾)	2000-2 760 (800-2)
CIRCLING	2000-1 752 (800-1)	2000-1¼ 752 (800-1¼)	2000-2¼ 752 (800-2¼)	2100-2¾ 852 (900-2¾)

NE-4. 22 OCT 2009 to 19 NOV 2009

VORTAC MGW 111.6 Chan 53	APP CRS 337°	Rwy ldg N/A TDZE N/A Apt Elev 1248

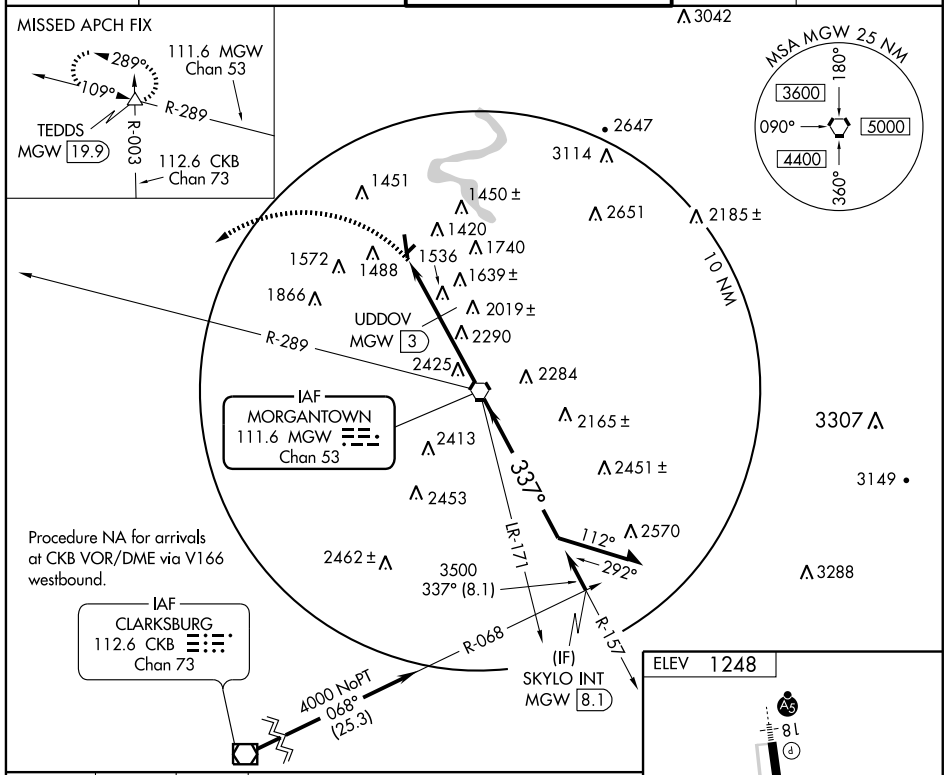
VOR-A

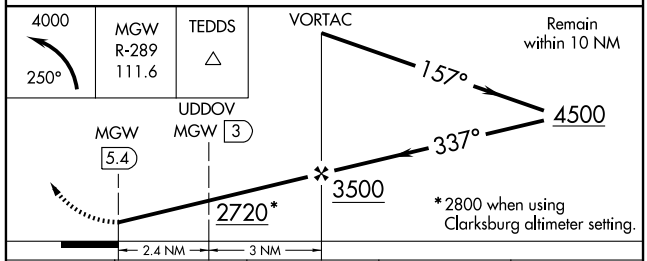
MORGANTOWN MUNI-WALTER L. BILL HART FIELD (MGW)

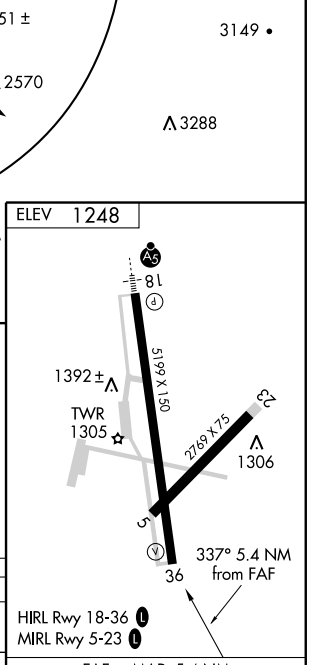
If local altimeter setting not received, use Clarksburg altimeter setting and increase all MDAs 80 feet.

MISSED APPROACH: Climbing left turn to 4000 via heading 250° and MGW R-289 to TEDDS INT/19.9 DME and hold.

ASOS	CLARKSBURG APP CON ★	MORGANTOWN TOWER ★	GND CON	UNICOM
120.675	121.15 269.375	125.1 (CTAF) L 257.8	121.7	122.95







CATEGORY	A	B	C	D
CIRCLING	2720-1¼ 1472 (1500-1¼)	2720-1½ 1472 (1500-1½)	2720-3 1472 (1500-3)	

UDDOV FIX MINIMUMS			
CIRCLING	1900-1 652 (700-1)	1900-1¾ 652 (700-1¾)	2100-2¾ 852 (900-2¾)

FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	3302
060°	TDZE	1214
	Apt Elev	1214

RNAV (GPS) RWY 6

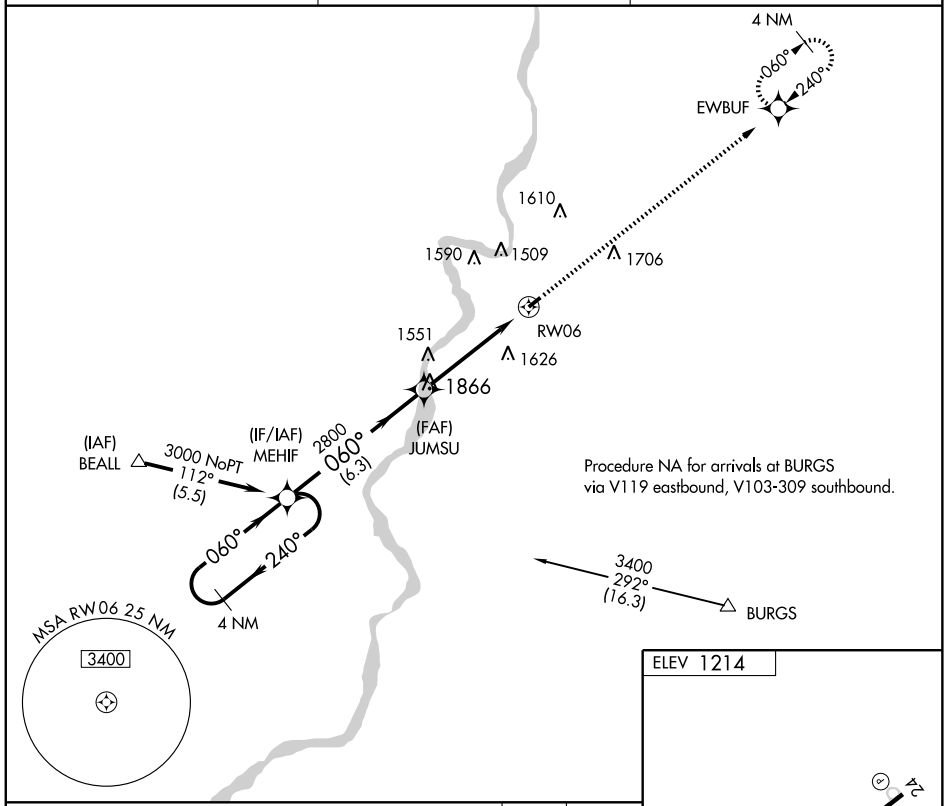
MOUNDSVILLE/ MARSHALL COUNTY (MPG)

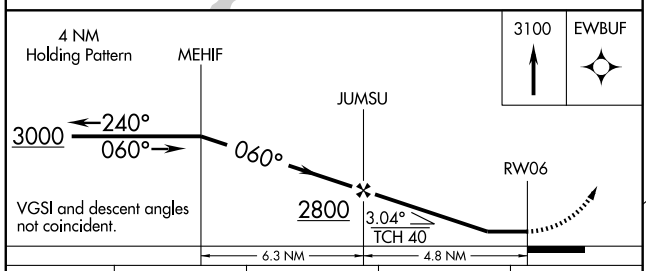
DME/DME RNP-0.3 NA.
Visibility reduction by helicopters NA.
When local altimeter setting not received, use Wheeling altimeter setting and increase all MDA 60 feet and Cat C visibilities ¼ mile.

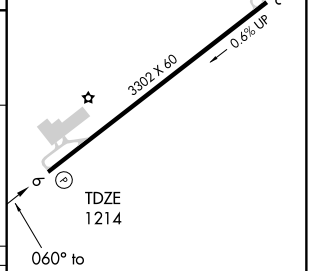
NA

MISSED APPROACH: Climb to 3100 direct EWBUF and hold.

ASOS-3	CLEVELAND CENTER	UNICOM
119.05	120.4 257.975	122.7 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1860-1	646 (700-1)	1860-1¾ 646 (700-1¾)	NA
CIRCLING	1860-1	646 (700-1)	1860-1¾ 646 (700-1¾)	NA

MIRL Rwy 6-24 L

MOUNDSVILLE, WEST VIRGINIA

AL-6834 (FAA)

APP CRS	Rwy ldg	3302
240°	TDZE	1213
	Apt Elev	1214

RNAV (GPS) RWY 24

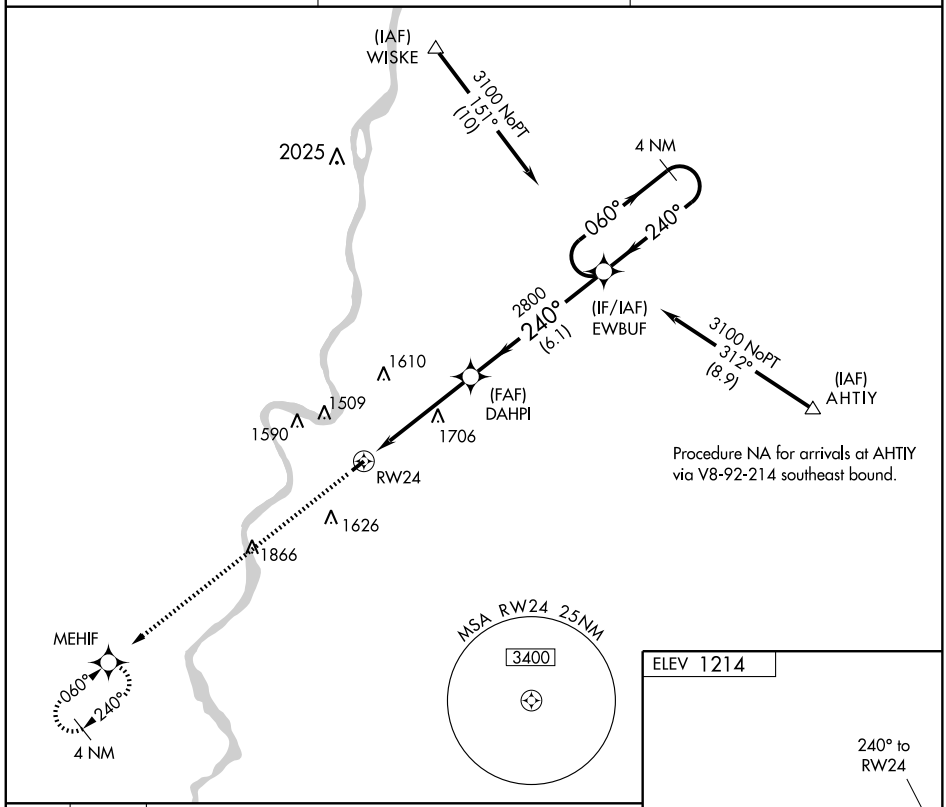
MOUNDSVILLE/ MARSHALL COUNTY (MPG)

DME/DME RNP-0.3 NA.
Visibility reduction by helicopters NA.
When local altimeter setting not received, use Wheeling altimeter setting and increase all MDA 60 feet.

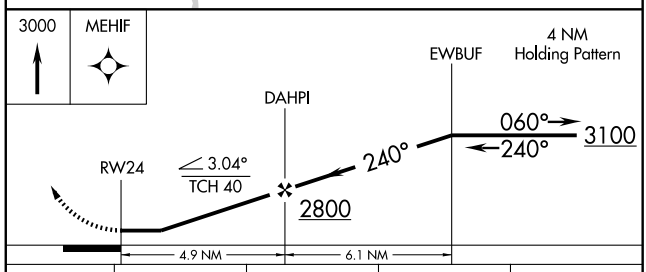
NA

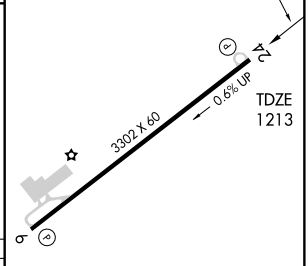
MISSED APPROACH: Climb to 3000 direct MEHIF and hold.

ASOS-3	CLEVELAND CENTER	UNICOM
119.05	120.4 257.975	122.7 (CTAF) L



Procedure NA for arrivals at AHTIY via V8-92-214 southeast bound.





MIRL Rwy 6-24 L

CATEGORY	A	B	C	D
LNAV MDA	1960-1 747 (800-1)	1960-1¼ 747 (800-1¼)	1960-2¼ 747 (800-2¼)	NA
CIRCLING	1960-1 746 (800-1)	1960-1¼ 746 (800-1¼)	1960-2¼ 746 (800-2¼)	NA

NE-4. 22 OCT 2009 to 19 NOV 2009

VOR/DME AIR	APP CRS	Rwy Idg	N/A
117.1	162°	TDZE	N/A
Chan 118		Apt Elev	1214

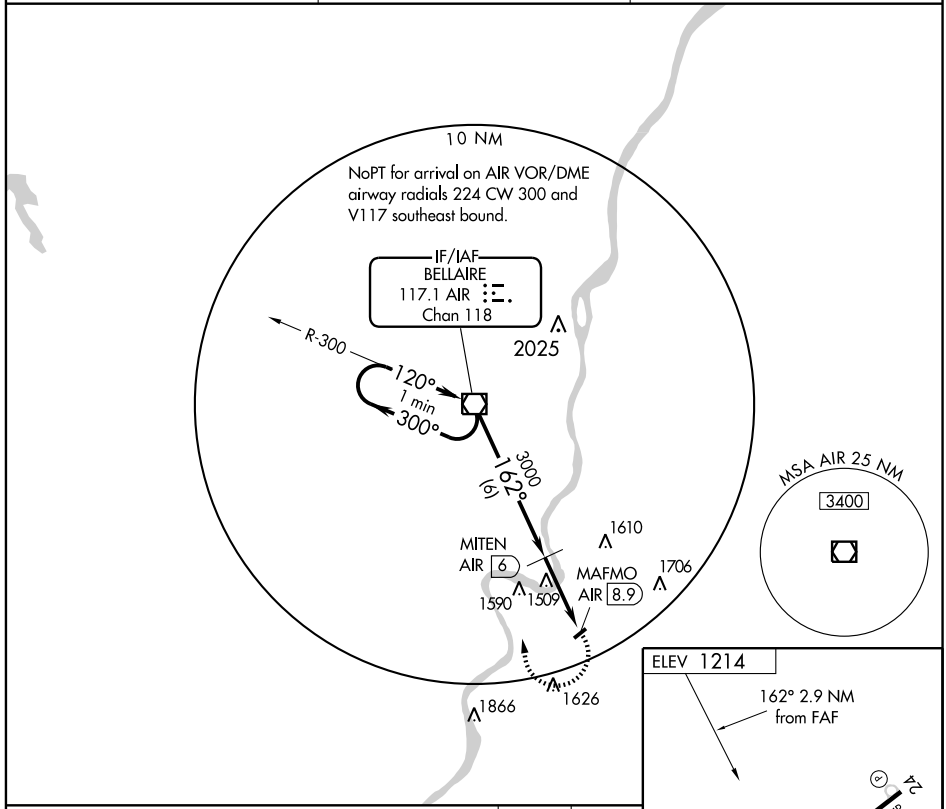
VOR/DME-A

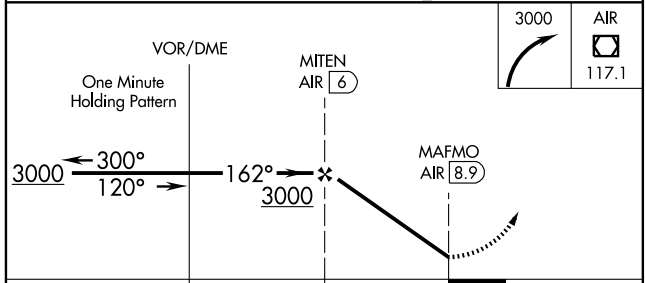
MOUNDSVILLE/ MARSHALL COUNTY (MPG)

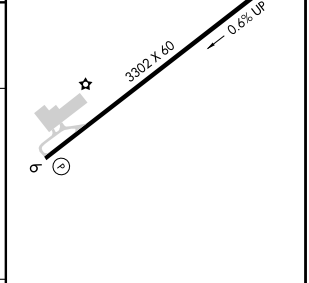
NA When local altimeter setting not received, use Wheeling altimeter setting and increase all MDA 60 feet and Cat B/C visibilities ¼ mile.

MISSED APPROACH: Climbing right turn to 3000 direct AIR VOR/DME and hold.

ASOS-3	CLEVELAND CENTER	UNICOM
119.05	120.4 257.975	122.7 (CTAF) L







CATEGORY	A	B	C	D
CIRCLING	1900-1	686 (700-1)	1900-2 686 (700-2)	NA

MIRL Rwy 6-24 L

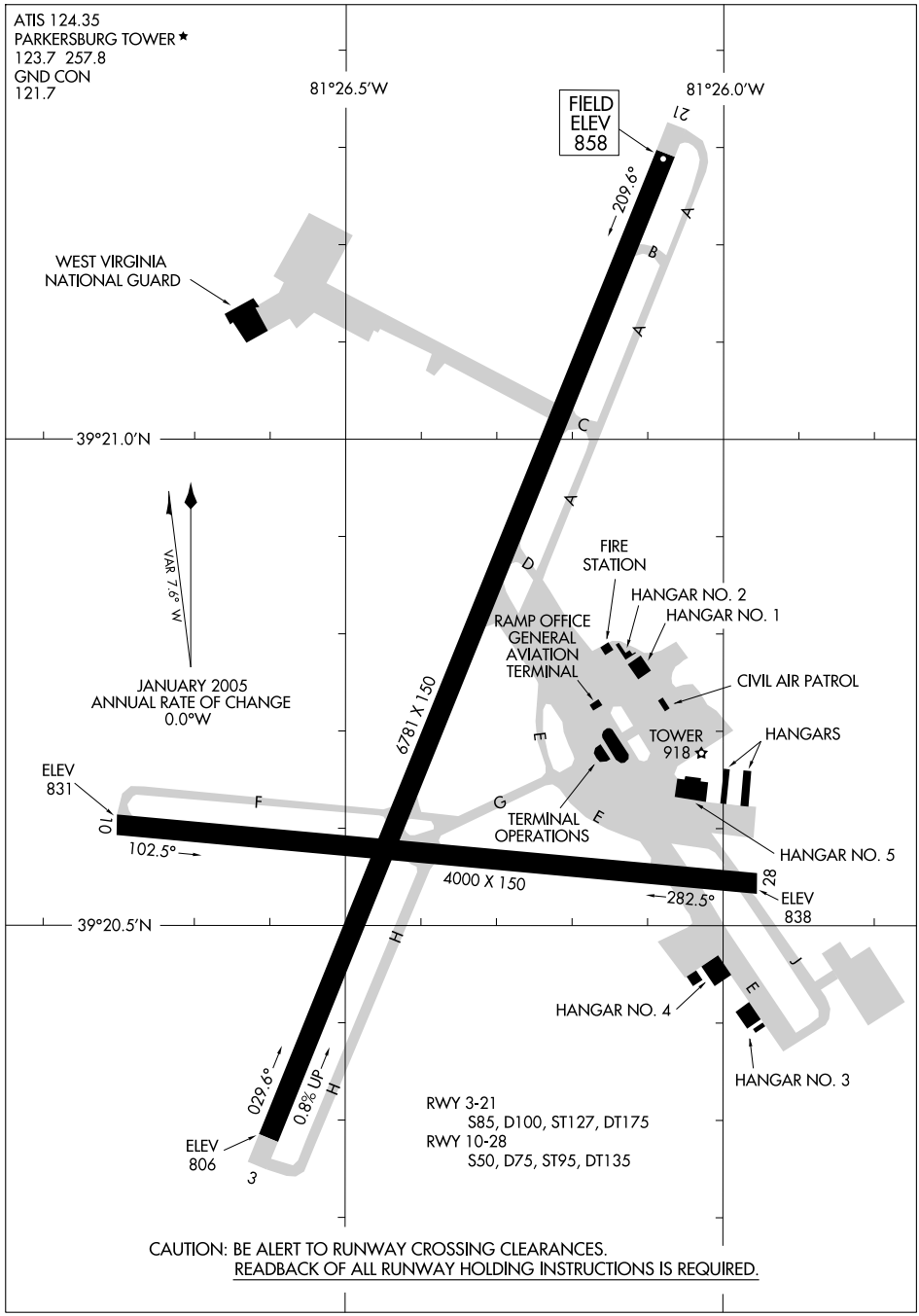
NE-4, 22 OCT 2009 to 19 NOV 2009

08325

AIRPORT DIAGRAM

AL-646 (FAA)

PARKERSBURG/MID-OHIO VALLEY RGNL (PKB)
PARKERSBURG, WEST VIRGINIA



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

NE-4, 22 OCT 2009 to 19 NOV 2009

LOC I-PKB	APP CRS	Rwy ldg	6781
110.7	027°	TDZE	831
		Apt Elev	858

ILS or LOC RWY 3

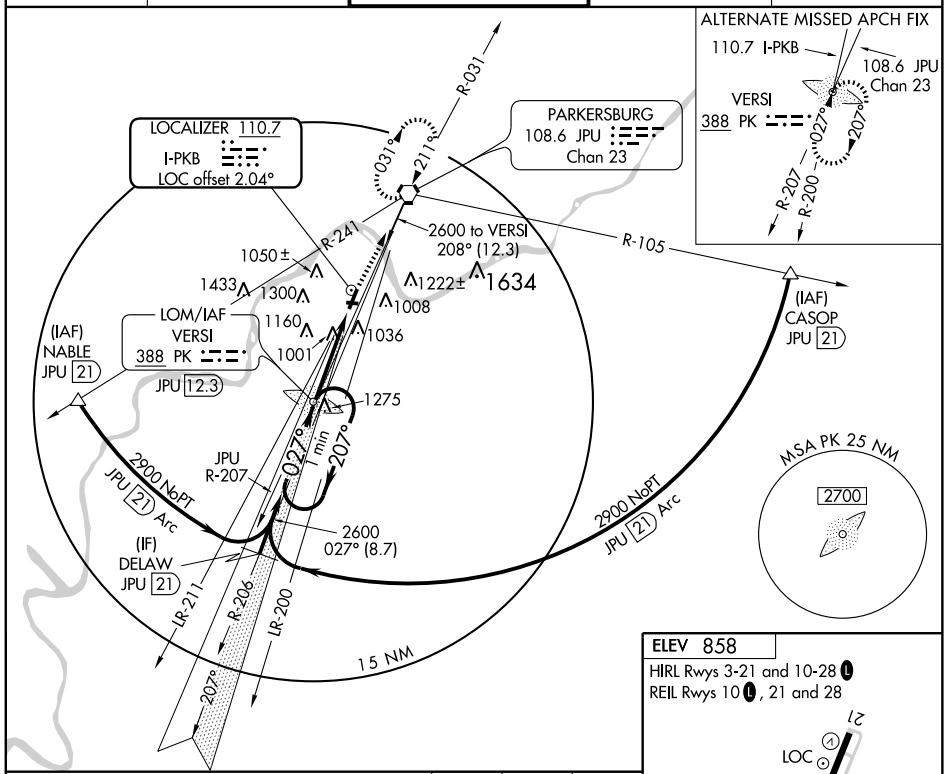
PARKERSBURG/MID-OHIO VALLEY RGNL (PKB)

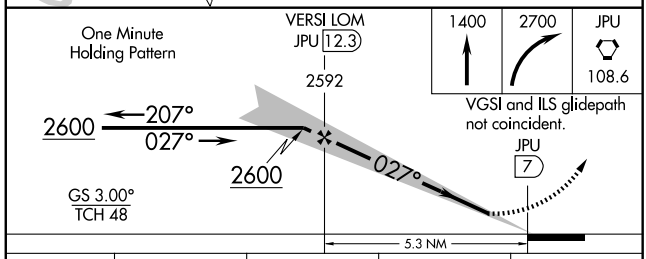
When local altimeter setting not received, use Athens OH altimeter setting and increase all DA/MDA 100 feet and S-ILS 3 All Cats visibility ¼ mile, and S-LOC 3 Cat C and D visibility ¼ mile, Circling Cat C/D visibility ¼ mile. For inoperative MALSR when using Athens OH altimeter setting increase S-ILS 3 All Cats visibility ½ mile.

MALSR

MISSED APPROACH: Climb to 1400 then climbing right turn to 2700 direct JPU VORTAC and hold.

ATIS	INDIANAPOLIS CENTER	PARKERSBURG TOWER★	GND CON	UNICOM
124.35	125.55 398.9	123.7 (CTAF) L 257.8	121.7	122.95



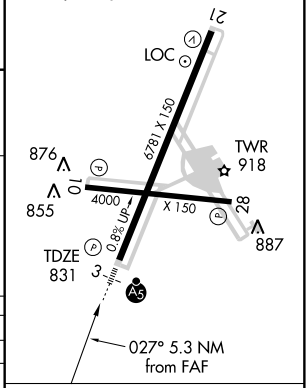


CATEGORY	A	B	C	D
S-ILS 3	1081/24 250 (300-½)			
S-LOC 3	1260/24 429 (500-½)		1260/40 429 (500-¾)	1260/50 429 (500-1)
CIRCLING	1380-1 522 (600-1)	1420-1 562 (600-1)	1420-1½ 562 (600-1½)	1460-2 602 (700-2)

ELEV 858

HIRL Rwys 3-21 and 10-28 L

REIL Rwys 10 L, 21 and 28



FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

NE-4. 22 OCT 2009 to 19 NOV 2009

WAAS CH 77906 W03A	APP CRS 029°	Rwy ldg 6781 TDZE 831 Apt Elev 858

RNAV (GPS) RWY 3

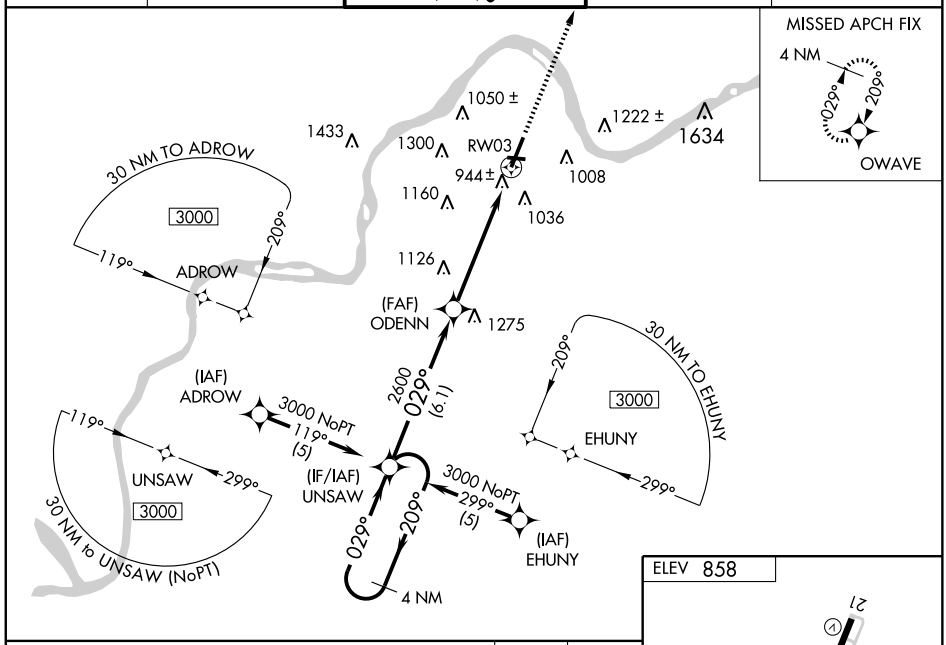
PARKERSBURG/MID-OHIO VALLEY RGNL (PKB)

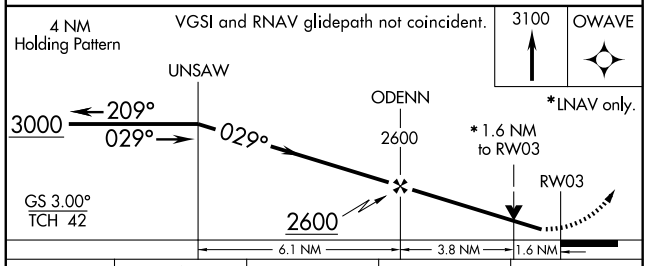
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F).
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
Baro-VNAV and VDP NA when using Jackson County altimeter setting.
When local altimeter setting not received, use Jackson County altimeter setting and increase all DAs/MDAs 100 feet. Increase all visibilities ¾ mile.
Inoperative table does not apply when using Jackson County altimeter setting.
For inoperative MALSR increase LPV visibility all Cats to 1½ and LNAV Cats A/B to RVR 5000.

MALSR

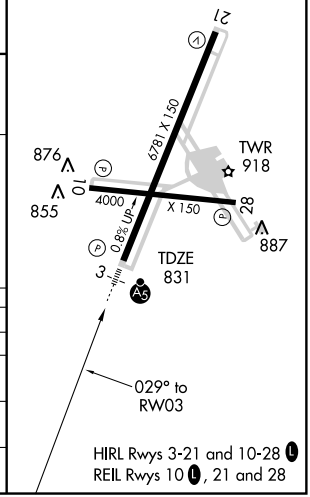
MISSED APPROACH: Climb to 3100 direct OWAVE and hold.

ATIS	INDIANAPOLIS CENTER	PARKERSBURG TOWER★	GND CON	UNICOM
124.35	125.55 398.9	123.7 (CTAF) L 257.8	121.7	122.95





CATEGORY	A	B	C	D
LPV DA	1217/50 386 (400-1)			
LNAV/VNAV DA	1478-2 647 (700-2)			
LNAV MDA	1380/40 549 (600-¾)		1380/50 549 (600-1)	1380/60 549 (600-1¼)
CIRCLING	1440-1 582 (600-1)		1440-1½ 582 (600-1½)	1460-2 602 (700-2)



HIRL Rwys 3-21 and 10-28 L
REIL Rwys 10 L, 21 and 28

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	6781
209°	TDZE	857
	Apt Elev	858

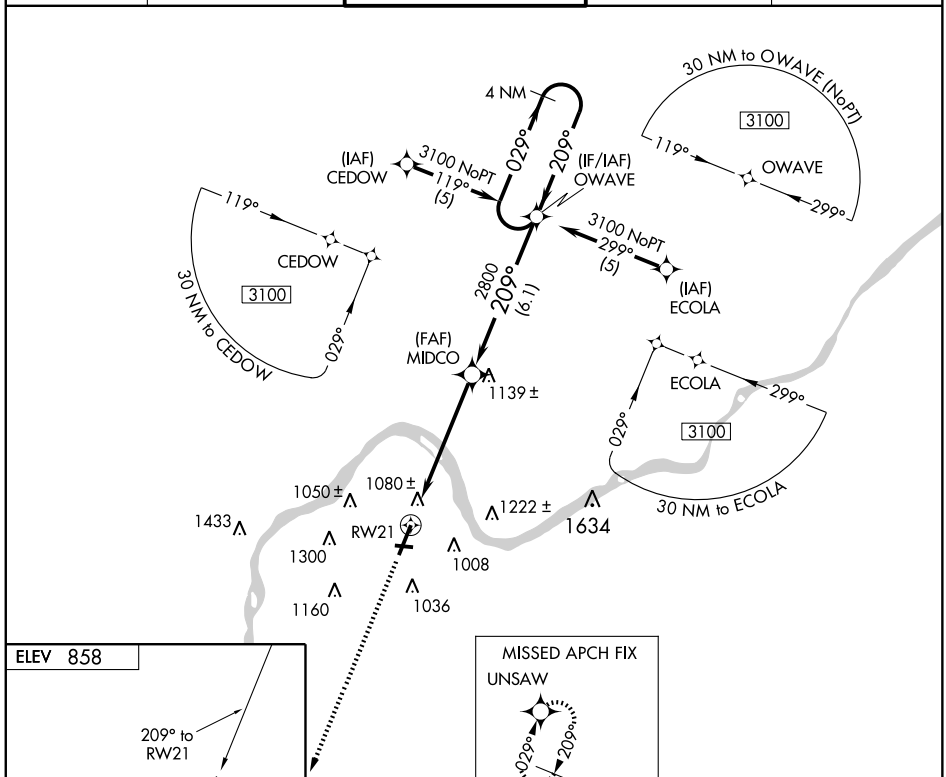
RNAV (GPS) RWY 21

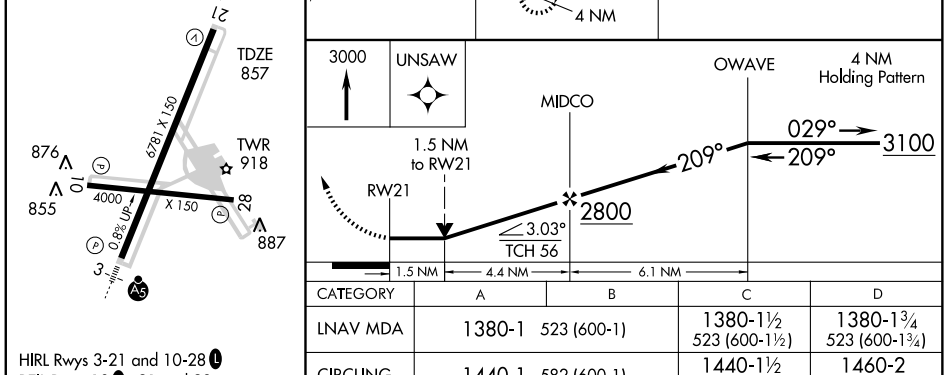
PARKERSBURG/MID-OHIO VALLEY RGNL (PKB)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
When local altimeter setting not received, use Jackson County altimeter setting and increase all MDAs 100 feet. Increase Cat C/D visibilities ½ mile.
VDP NA with Jackson County altimeter setting.

MISSED APPROACH: Climb to 3000 direct UNSAW and hold.

ATIS	INDIANAPOLIS CENTER	PARKERSBURG TOWER★	GND CON	UNICOM
124.35	125.55 398.9	123.7 (CTAF) L 257.8	121.7	122.95





HIRL Rwys 3-21 and 10-28 L
REIL Rwys 10 L, 21 and 28

CATEGORY	A	B	C	D
LNAV MDA	1380-1 523 (600-1)		1380-1½ 523 (600-1½)	1380-1¾ 523 (600-1¾)
CIRCLING	1440-1 582 (600-1)		1440-1½ 582 (600-1½)	1460-2 602 (700-2)

NE-4. 22 OCT 2009 to 19 NOV 2009

VORTAC JPU 108.6 Chan 23	APP CRS 211°	Rwy ldg 6781 TDZE 857 Apt Elev 858

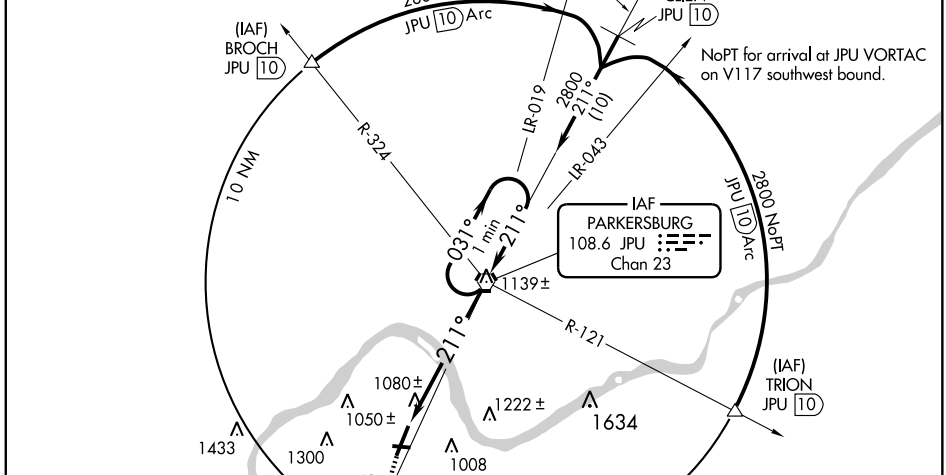
VOR RWY 21

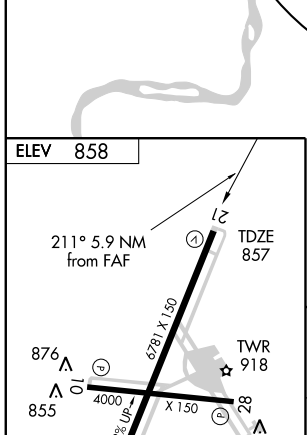
PARKERSBURG/MID-OHIO VALLEY RGNL (PKB)

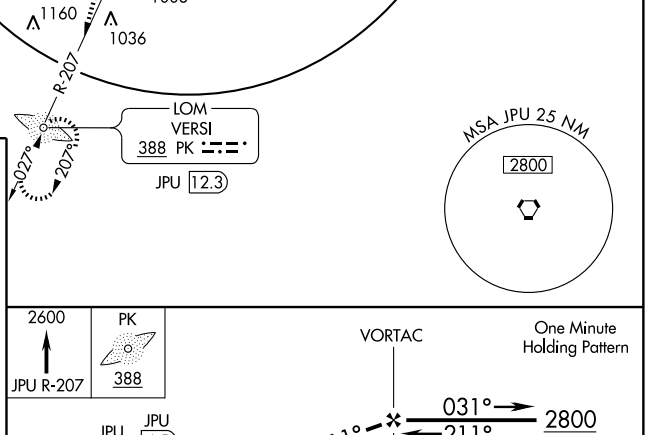
Visibility reduction by helicopters NA.
When local altimeter setting not received, use Jackson County altimeter setting and increase all MDAs 100 feet. Increase Cat C/D visibilities ½ mile.
VDP NA when using Jackson County altimeter setting. ADF or DME Required.

MISSED APPROACH: Climb to 2600 via JPU VORTAC R-207 to VERSI LOM/JPU 12.3 DME and hold.

ATIS	INDIANAPOLIS CENTER	PARKERSBURG TOWER★	GND CON	UNICOM
124.35	125.55 398.9	123.7 (CTAF) L 257.8	121.7	122.95







HIRL Rwys 3-21 and 10-28 L
REIL Rwys 10 L, 21 and 28

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

CATEGORY	A	B	C	D
S-21	1380-1 523 (600-1)		1380-1½ 523 (600-1½)	1380-1¾ 523 (600-1¾)
CIRCLING	1440-1 582 (600-1)		1440-1½ 582 (600-1½)	1460-2 602 (700-2)

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	5000
295°	TDZE	957
	Apt Elev	960

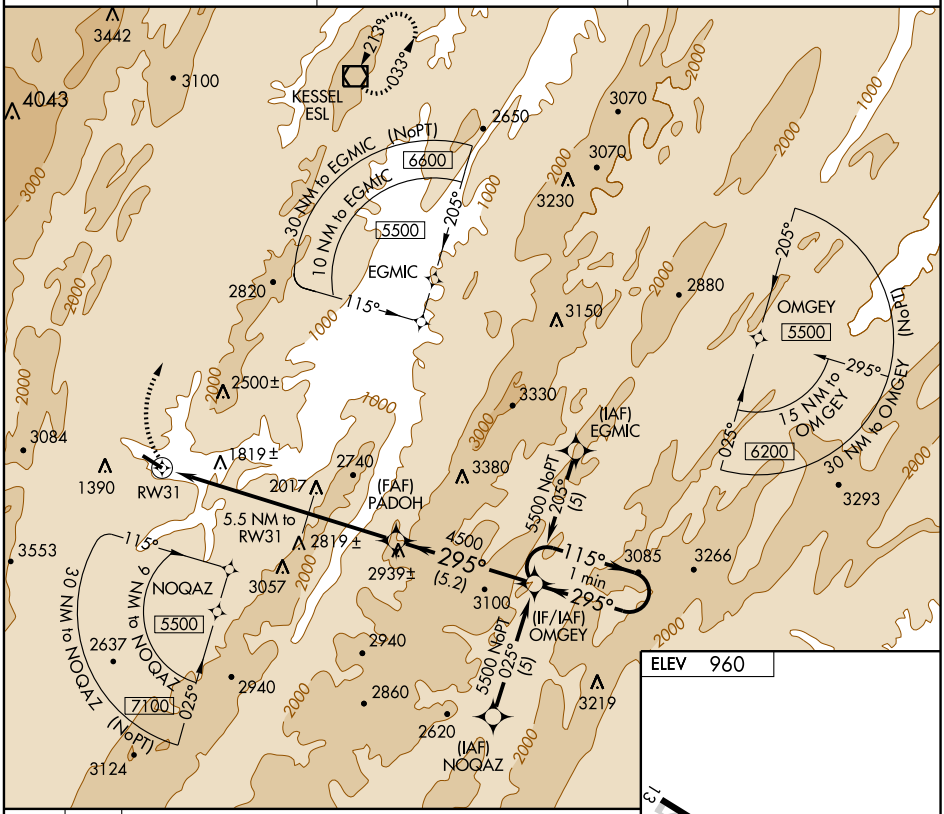
GPS RWY 31

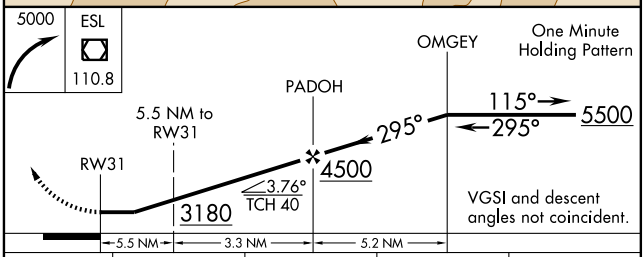
PETERSBURG / GRANT COUNTY (W99)

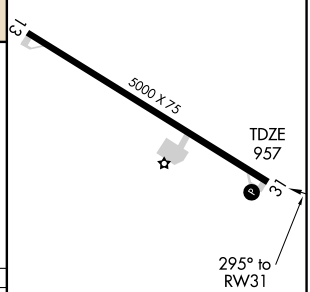
NA

MISSED APPROACH: Climbing right turn to 5000 direct ESL VOR/DME and hold.

AWOS-3	WASHINGTON CENTER	UNICOM
124.475	133.65 285.6	122.8 (CTAF)







CATEGORY	A	B	C	D
S-31	2380-1¼ 1423 (1500-1¼)	2380-1½ 1423 (1500-1½)	2380-3 1423 (1500-3)	
CIRCLING	2380-1¼ 1420 (1500-1¼)	2380-1½ 1420 (1500-1½)	2380-3 1420 (1500-3)	2440-3 1480 (1500-3)

REIL Rwy 31
MIRL Rwy 13-31

NE-4. 22 OCT 2009 to 19 NOV 2009

LOC I-IYQ	APP CRS	Rwy ldg	N/A
111.5	285°	TDZE	N/A
Chan 52		Apt Elev	960

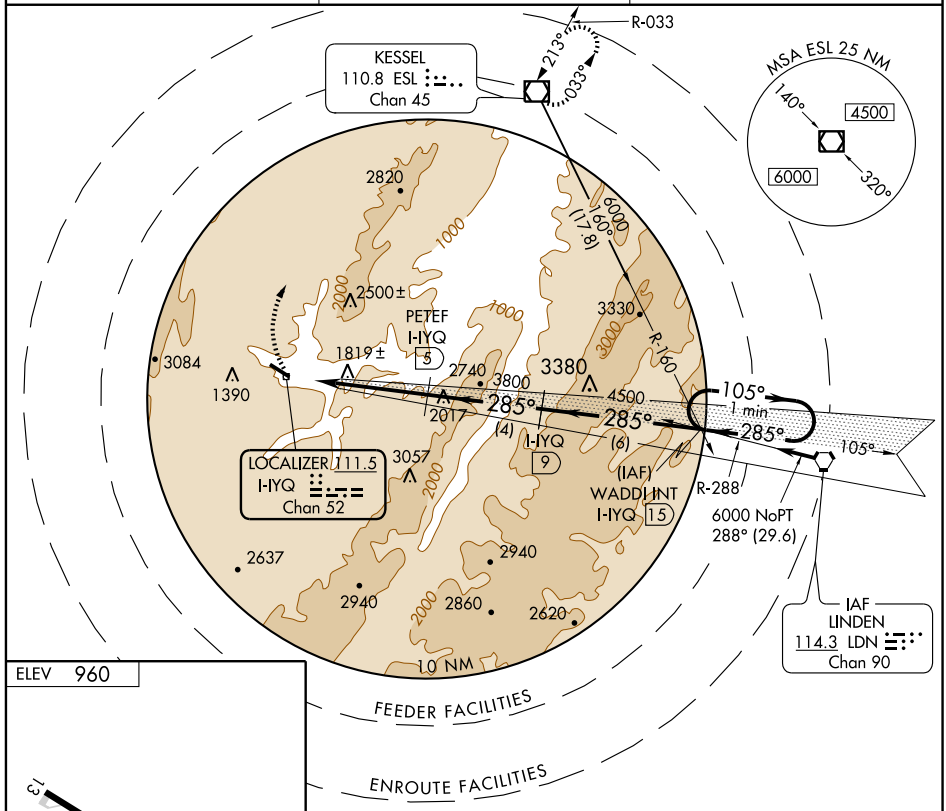
LDA/DME-B

PETERSBURG / GRANT COUNTY (W99)

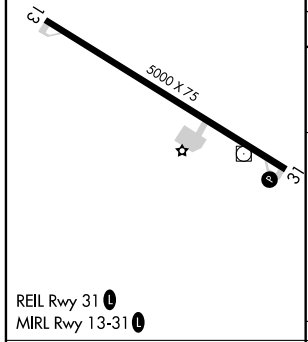
NA

MISSED APPROACH: Climbing right turn to 5000 direct ESL VOR/DME and hold.

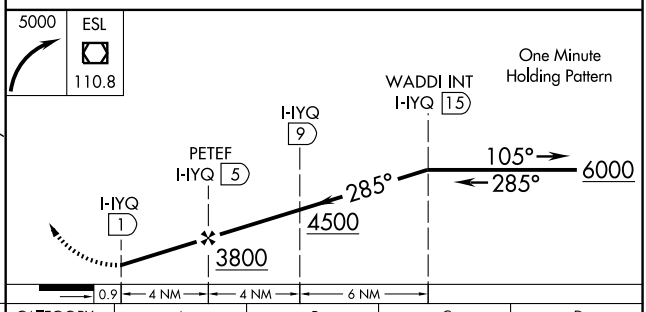
AWOS-3	WASHINGTON CENTER	UNICOM
124.475	133.65 285.6	122.8 (CTAF)



ELEV 960



REIL Rwy 31
MIRL Rwy 13-31



Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
CIRCLING	2200-1¼ 1240 (1300-1¼)	2200-1½ 1240 (1300-1½)	2200-3 1240 (1300-3)	NA

NE-4. 22 OCT 2009 to 19 NOV 2009

VOR/DME ESL	APP CRS	Rwy ldg	N/A
110.8	213°	TDZE	N/A
Chan 45		Apt Elev	960

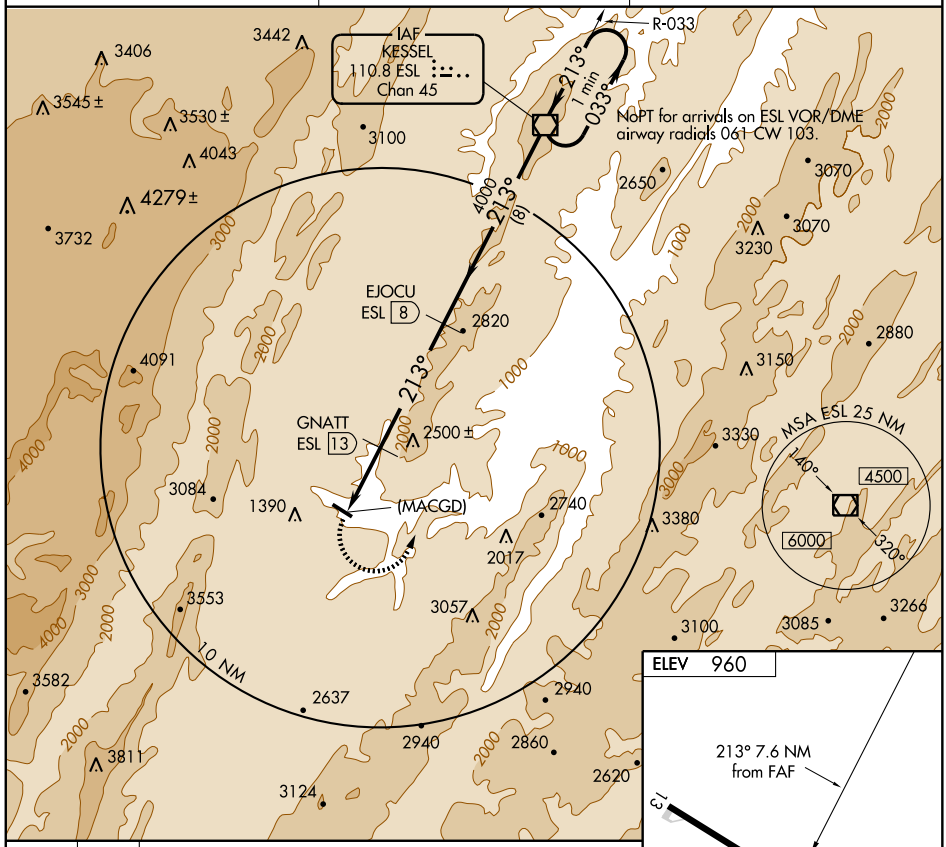
VOR/DME or GPS-A

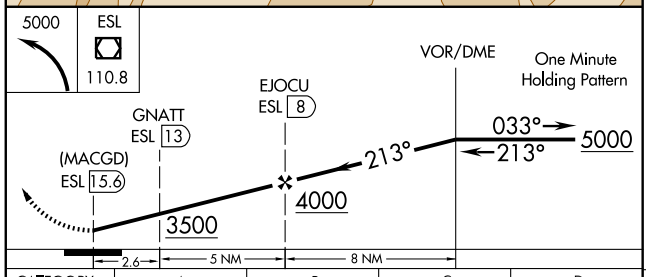
PETERSBURG / GRANT COUNTY (W99)

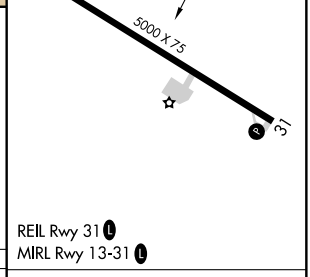
NA

MISSED APPROACH: Climbing left turn to 5000 direct ESL VOR/DME and hold.

AWOS-3	WASHINGTON CENTER	UNICOM
124.475	133.65 285.6	122.8 (CTAF)







REIL Rwy 31
MIRL Rwy 13-31

CATEGORY	A	B	C	D
CIRCLING	3100-1¼ 2140 (2200-1¼)	3100-1½ 2140 (2200-1½)	3100-3 2140 (2200-3)	NA

Knots	60	90	120	150	180
Min:Sec					

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	3135
083°	TDZE	1755
	Apt Elev	1755

RNAV (GPS) RWY 8

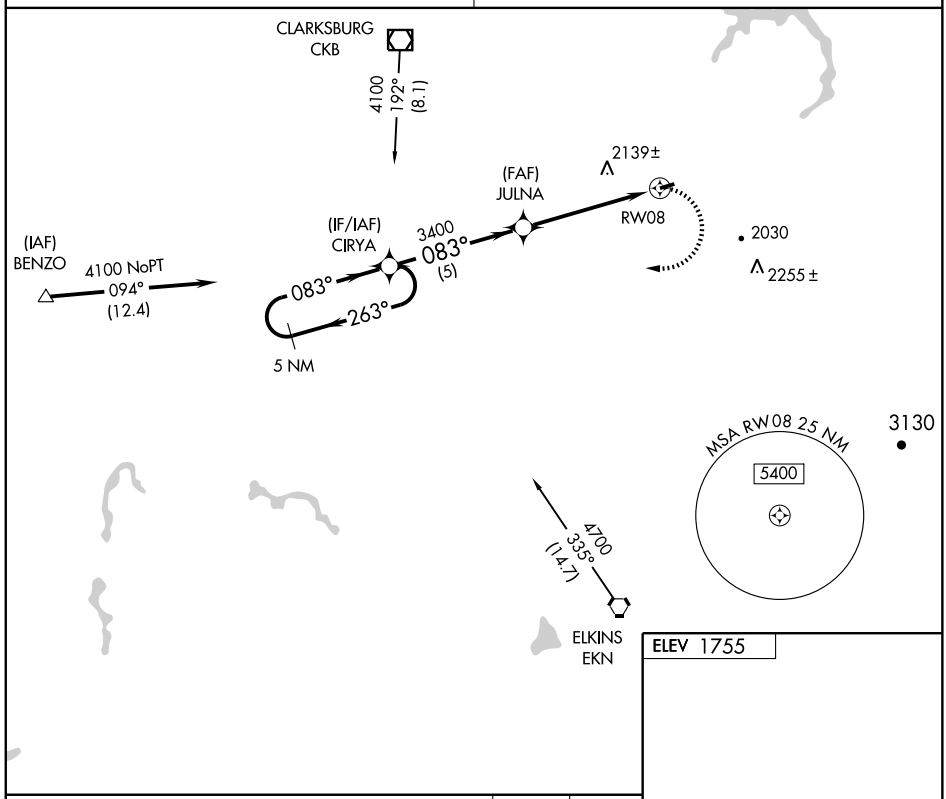
PHILIPPI/BARBOUR COUNTY RGNL (79D)

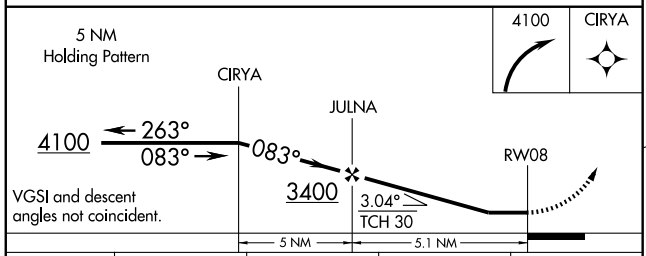
DME/DME RNP-0.3 NA. Procedure NA at night.
Visibility reduction by helicopters NA.
Use Clarksburg altimeter setting, when not received, use Buckhannon altimeter setting and increase LNAV Cat A/B MDA 20 feet.

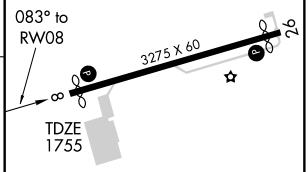
NA

MISSED APPROACH: Climbing right turn to 4100 direct CIRYA and hold.

CLARKSBURG APP CON	CTAF
121.15 269.375	122.9 L







CATEGORY	A	B	C	D
LNAV MDA	2460-1 705 (800-1)		NA	
CIRCLING	2520-1 765 (800-1)	2520-1¼ 765 (800-1¼)	NA	

REIL Rwy 8 L
MIRL Rwys 8-26 L

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	3050
249°	TDZE	1755
	Apt Elev	1755

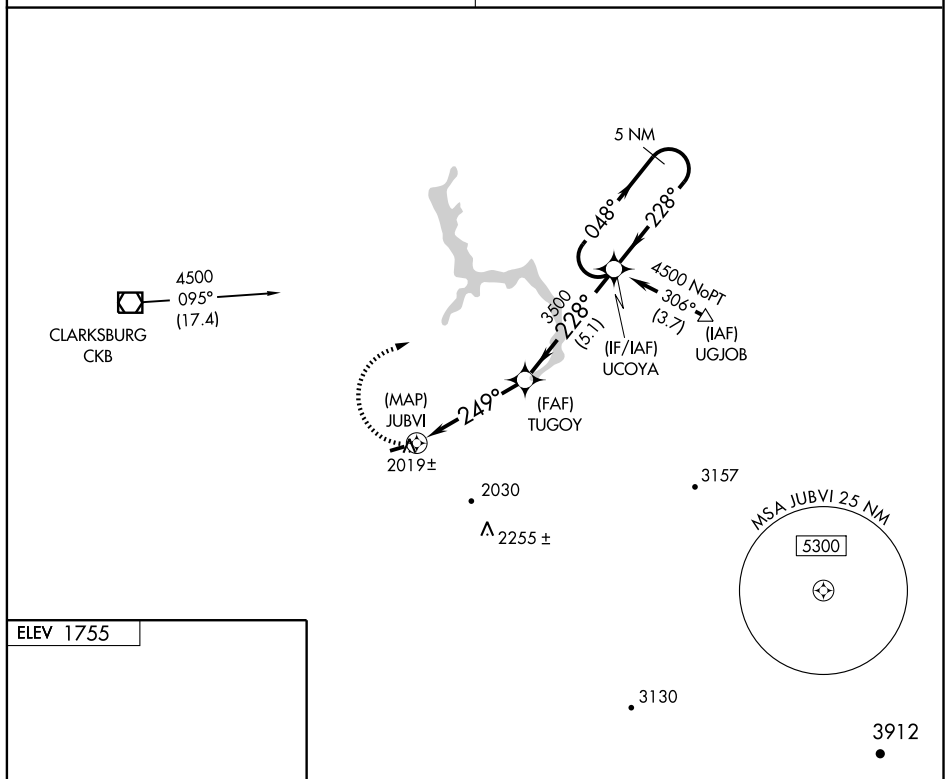
RNAV (GPS) RWY 26

PHILIPPI/BARBOUR COUNTY RGNL (79D)

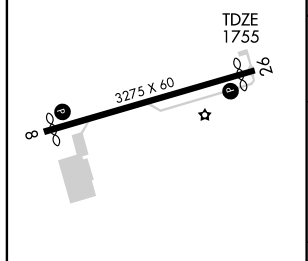
DME/DME RNP-0.3 NA. Procedure NA at night.
Visibility reduction by helicopters NA.
NA
Use Clarksburg altimeter setting, when not received, use Buckhannon altimeter setting.

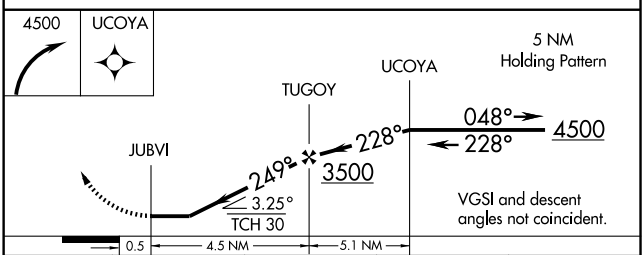
MISSED APPROACH: Climbing right turn to 4500 direct UCOYA and hold.

CLARKSBURG APP CON	CTAF
121.15 269.375	122.9 L



ELEV 1755





CATEGORY	A	B	C	D
LNAV MDA	2460-1	705 (800-1)	NA	
CIRCLING	2520-1 765 (800-1)	2520-1¼ 765 (800-1¼)	NA	

REIL Rwy 8 L
MIRL Rwys 8-26 L

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	3701
074°	TDZE	1770
	Apt Elev	1783

GPS RWY 8

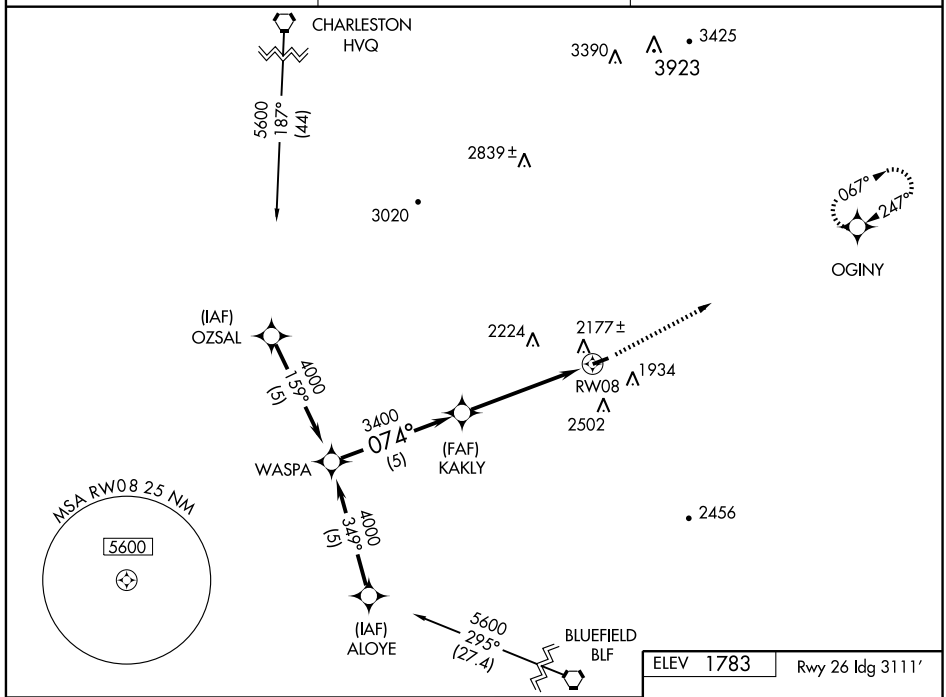
PINEVILLE/ KEE FIELD (I16)

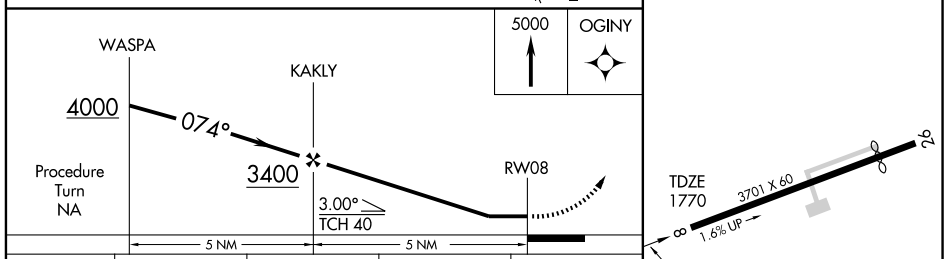
NA

Obtain local altimeter setting on CTAF; when not received, use Beckley altimeter setting. Procedure NA at night.

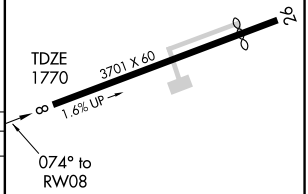
MISSED APPROACH: Climb to 5000 direct OGINY WP and hold.

AWOS-3	CHARLESTON APP CON	UNICOM
120.625	118.95 269.125	122.8 (CTAF) L





ELEV 1783 Rwy 26 ldg 3111′



CATEGORY	A	B	C	D
S-8	2460-1 690 (700-1)		2460-2 690 (700-2)	NA
CIRCLING	2620-1 837 (900-1)	2620-1¼ 837 (900-1¼)	2620-2½ 837 (900-2½)	NA
BECKLEY ALTIMETER SETTING MINIMUMS				
S-8	2620-1 850 (900-1)	2620-1¼ 850 (900-1¼)	2620-2½ 850 (900-2½)	NA
CIRCLING	2760-1¼ 977 (1000-1¼)	2760-1½ 977 (1000-1½)	2780-3 997 (1000-3)	NA

MIRL Rwy 8-26 L
REIL Rwy 8 and 26 L

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	3111
255°	TDZE	1771
	Apt Elev	1783

GPS RWY 26

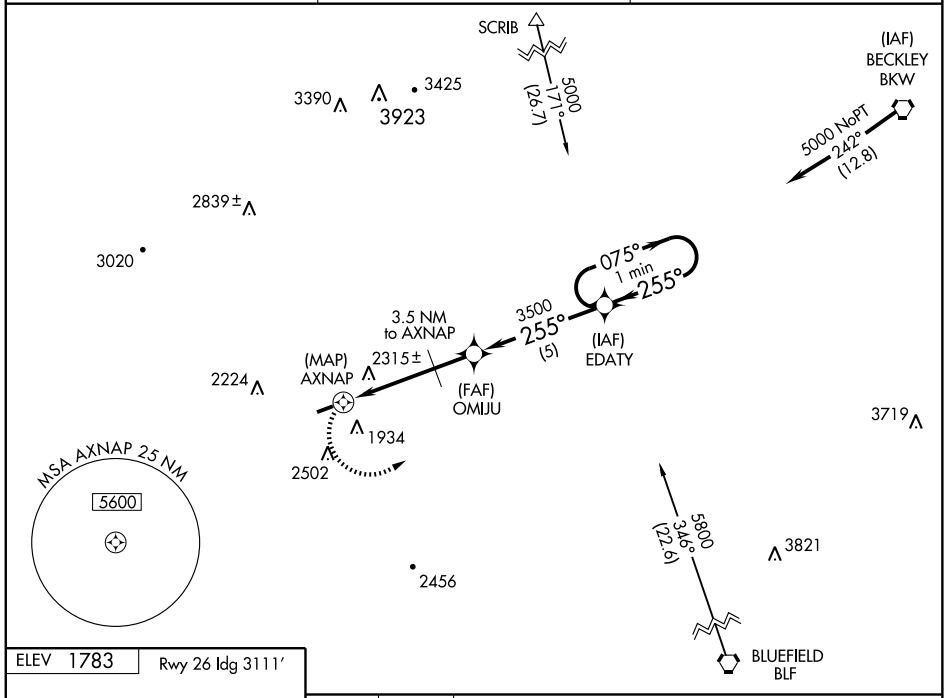
PINEVILLE/ KEE FIELD (I16)

Obtain local altimeter setting on CTAF; when not received, use Beckley altimeter setting. Procedure NA at night.

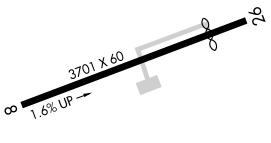
NA

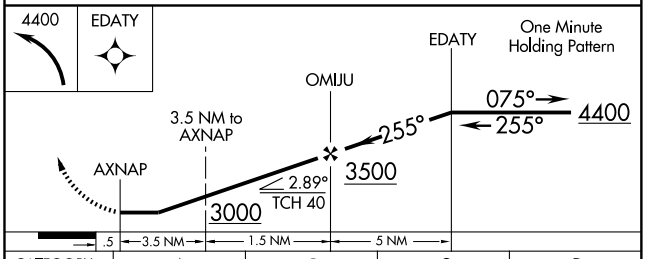
MISSED APPROACH: Climbing left turn to 4400 direct EDATY WP and hold.

AWOS-3	CHARLESTON APP CON	UNICOM
120.625	118.95 269.125	122.8 (CTAF) L



ELEV 1783 Rwy 26 ldg 3111′





CATEGORY	A	B	C	D
S-26	2580-1 809 (800-1)	2580-1¼ 809 (800-1¼)	2580-2¼ 809 (800-2¼)	NA
CIRCLING	2620-1 837 (900-1)	2620-1¼ 837 (900-1¼)	2620-2½ 837 (900-2½)	NA
BECKLEY ALTIMETER SETTING MINIMUMS				
S-26	2740-1¼ 969 (1000-1¼)	2740-1½ 969 (1000-1½)	2740-3 969 (1000-3)	NA
CIRCLING	2760-1¼ 977 (1000-1¼)	2760-1½ 977 (1000-1½)	2780-3 997 (1000-3)	NA

MIRL Rwy 8-26 L
REIL Rwy 8 and 26 L

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	4000
246°	TDZE	643
	Apt Elev	643

GPS RWY 25

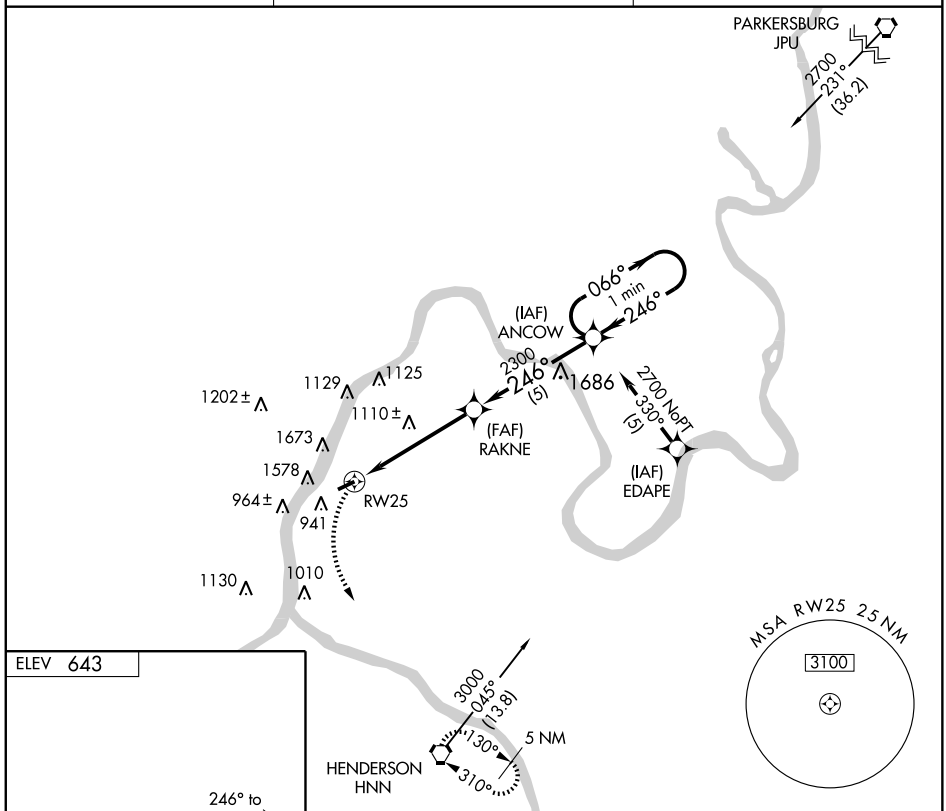
POINT PLEASANT / MASON COUNTY (3I2)

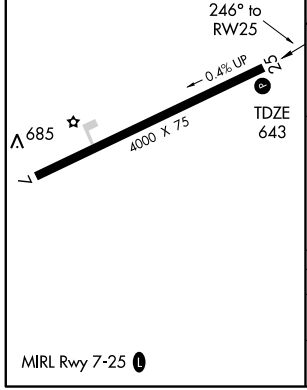
NA

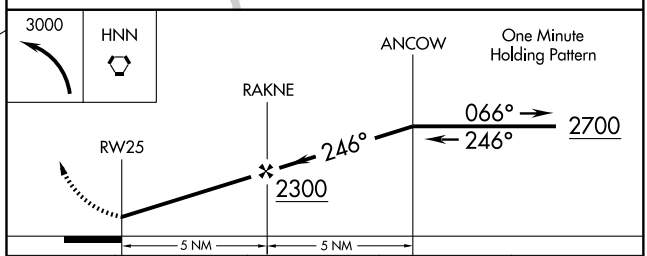
Circling NA northwest of Rwy 7-25.

MISSED APPROACH: Climbing left turn to 3000 direct HNN VORTAC and hold.

AWOS-3	HUNTINGTON APP CON	UNICOM
119.675	128.4 270.1	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-25	1360-1	717 (800-1)	1360-2 717 (800-2)	1360-2¼ 717 (800-2¼)
CIRCLING	1360-1	717 (800-1)	1360-2 717 (800-2)	1360-2¼ 717 (800-2¼)

MIRL Rwy 7-25 L

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	4001
037°	TDZE	754
	Apt Elev	759

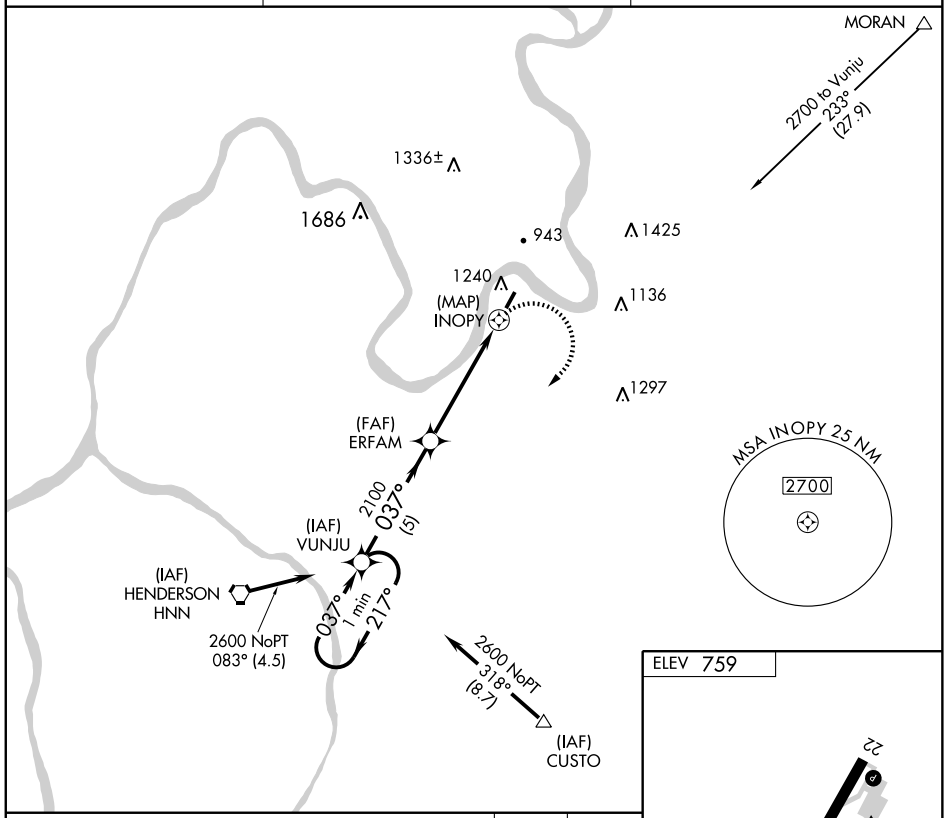
GPS RWY 4

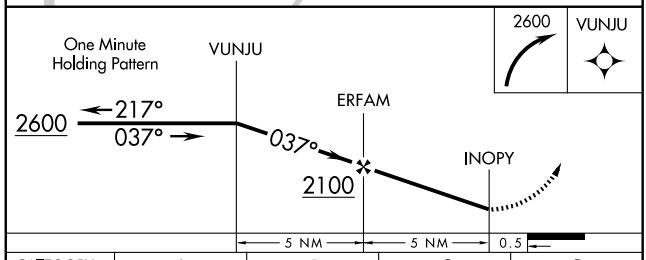
RAVENSWOOD / JACKSON COUNTY (I18)

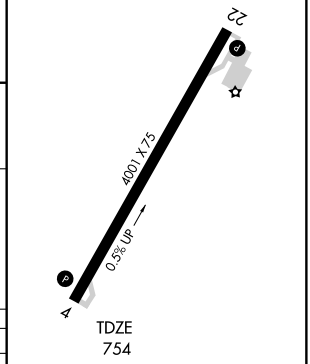
NA

MISSED APPROACH: Climbing right turn to 2600 direct VUNJU WP and hold.

AWOS-2	HUNTINGTON APP CON	UNICOM
121.3	128.4 270.1	122.8 (CTAF) L







MIRL Rwy 4-22 L
REIL Rwys 4 and 22 L

CATEGORY	A	B	C	D
S-4	1400-1 646 (700-1)		1400-1¾ 646 (700-1¾)	NA
CIRCLING	1600-1 841 (900-1)	1600-1¼ 841 (900-1¼)	1600-2½ 841 (900-2½)	NA

APP CRS	Rwy ldg	4001
217°	TDZE	759
	Apt Elev	759

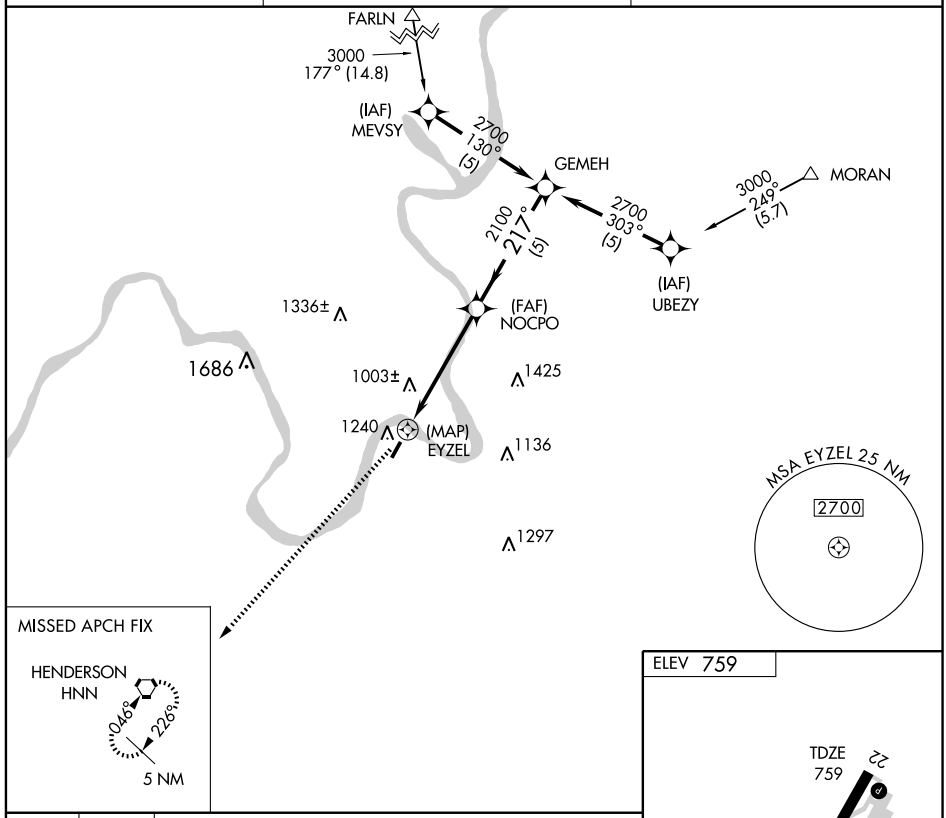
GPS RWY 22

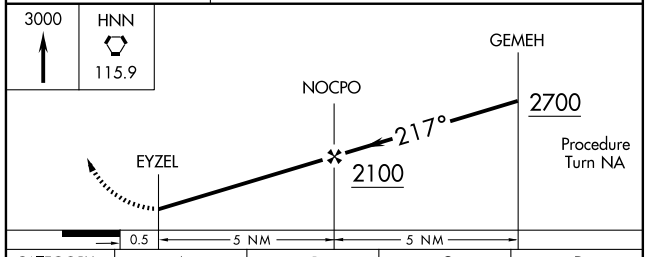
RAVENSWOOD / JACKSON COUNTY (I18)

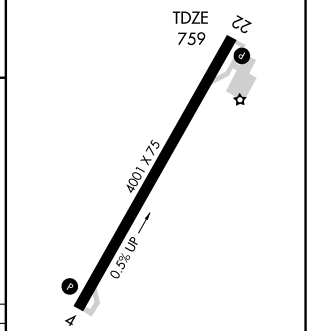
NA

MISSED APPROACH: Climb to 3000 direct HNN VORTAC and hold.

AWOS-2	HUNTINGTON APP CON	UNICOM
121.3	128.4 270.1	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-22	1440-1 681 (700-1)		1440-2 681 (700-2)	NA
CIRCLING	1600-1 841 (900-1)	1600-1¼ 841 (900-1¼)	1600-2½ 841 (900-2½)	NA

MIRL Rwy 4-22 L
REIL Rwys 4 and 22 L

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	3015
044°	TDZE	1820
	Apt Elev	1820

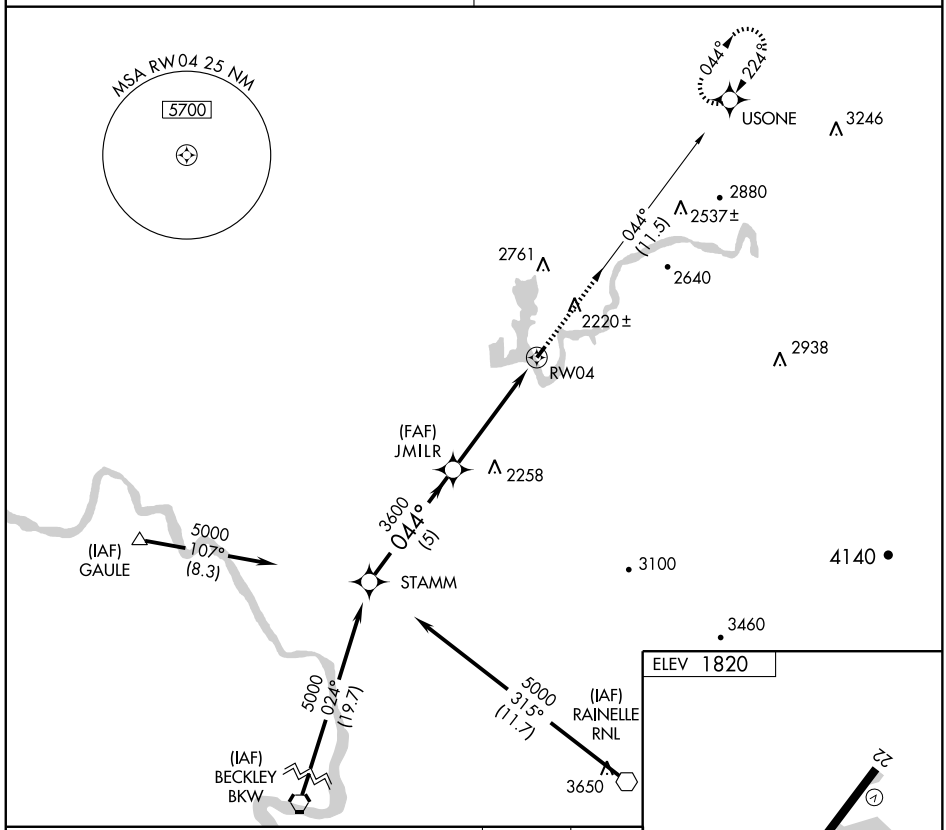
GPS RWY 4
SUMMERSVILLE (SXL)

Use Charleston altimeter setting, when not received procedure NA. Procedure NA at night.

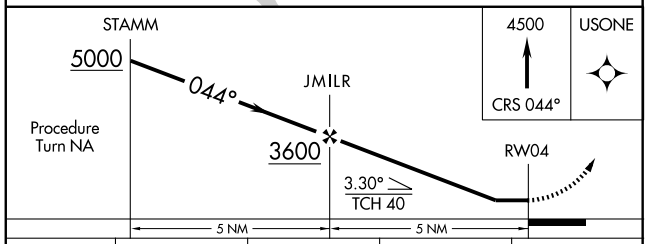
NA

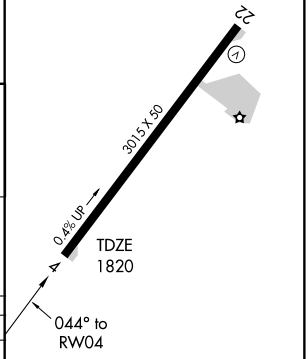
MISSED APPROACH: Climb to 4500 via 044° course to USONE WP and hold.

CHARLESTON APP CON	UNICOM
119.2 269.125	122.8 (CTAF) L



ELEV 1820





CATEGORY	A	B	C	D
S-4	2900-1¼ 1080 (1100-1¼)	2900-1½ 1080 (1100-1½)	2900-3 1080 (1100-3)	NA
CIRCLING	2900-1¼ 1080 (1100-1¼)	2900-1½ 1080 (1100-1½)	2900-3 1080 (1100-3)	NA

MIRL Rwy 4-22 L
REIL Rwys 4 and 22

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	3015
224°	TDZE	1820
	Apt Elev	1820

GPS RWY 22
SUMMERSVILLE (SXL)

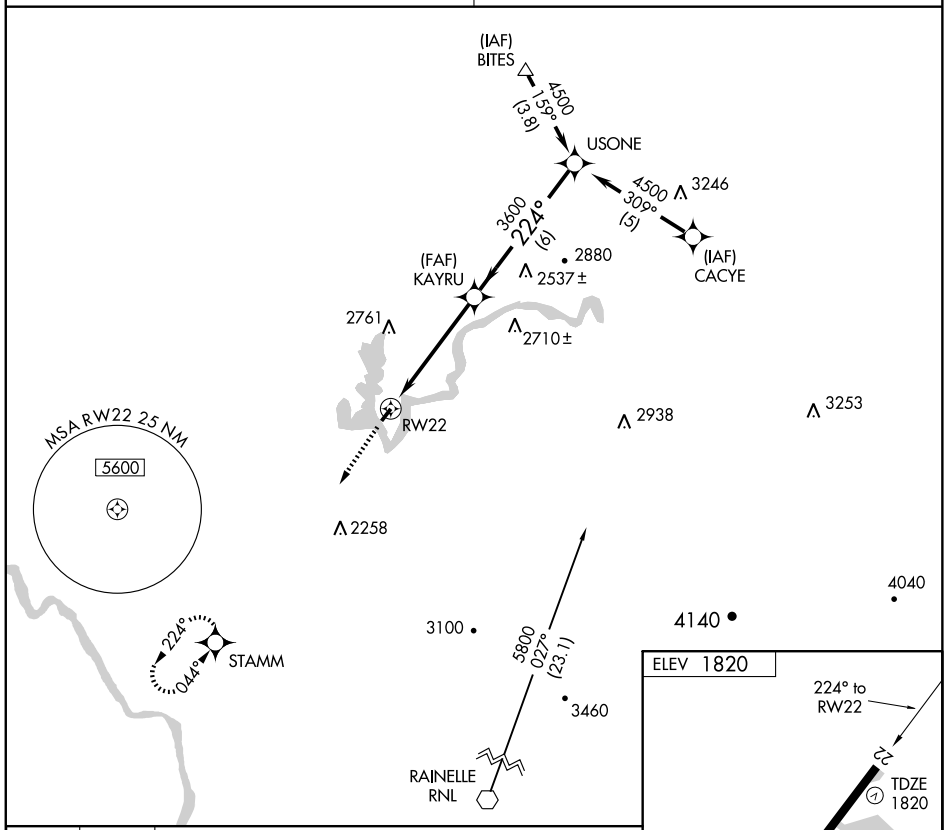
Use Charleston altimeter setting, when not received procedure NA. Circling to Rwy 4 NA at night.

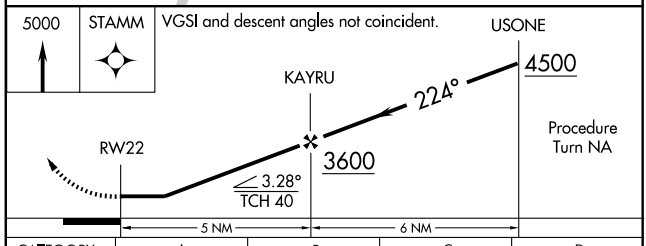
NA

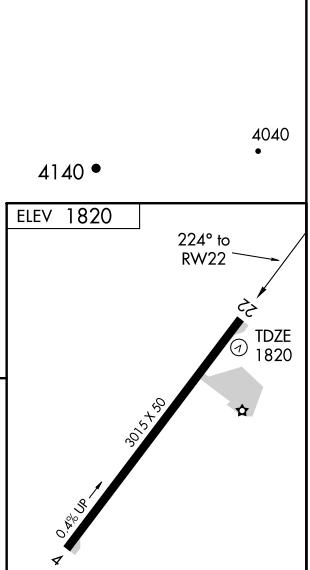
MISSED APPROACH: Climb to 5000 direct STAMM WP and hold.

CHARLESTON APP CON
119.2 269.125

UNICOM
122.8 (CTAF) L







CATEGORY	A	B	C	D
S-22	3020-1¼ 1200 (1200-1¼)	3020-1½ 1200 (1200-1½)	3020-3 1200 (1200-3)	NA
CIRCLING	3020-1¼ 1200 (1200-1¼)	3020-1½ 1200 (1200-1½)	3020-3 1200 (1200-3)	NA

MIRL Rwy 4-22 L
REIL Rwys 4 and 22

NE-4. 22 OCT 2009 to 19 NOV 2009

APP CRS	Rwy ldg	3586
014°	TDZE	1270
	Apt Elev	1275

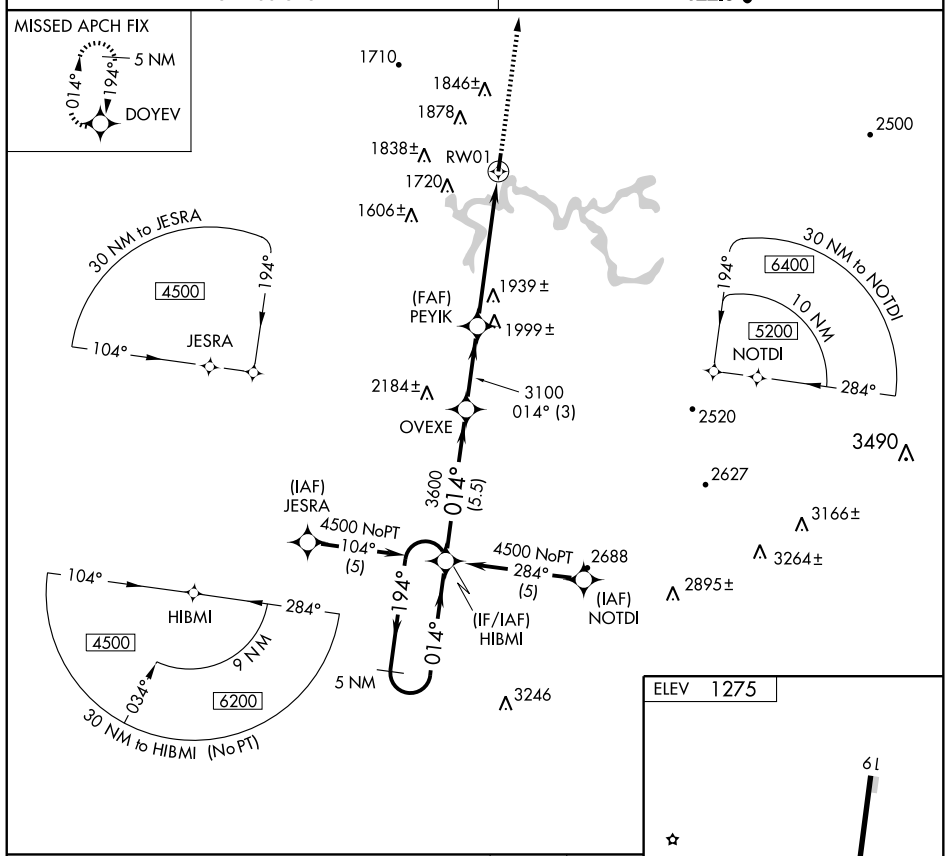
RNAV (GPS) RWY 1

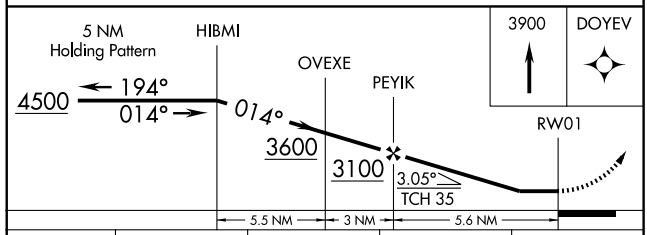
SUTTON / BRAXTON COUNTY (48I)

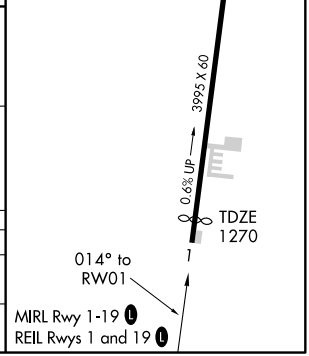
Procedure NA at night. If local altimeter setting not received, use Clarksburg altimeter setting and increase all MDAs 260 feet. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3900 direct DOYEV and hold.

CLARKSBURG APP CON ★	CTAF
121.15 269.375	122.9 L







CATEGORY	A	B	C	D
LNAV MDA	2200-1¼ 930 (1000-1¼)		2200-2¾ 930 (1000-2¾)	NA
CIRCLING	2200-1¼ 925 (1000-1¼)		2200-2¾ 925 (1000-2¾)	NA

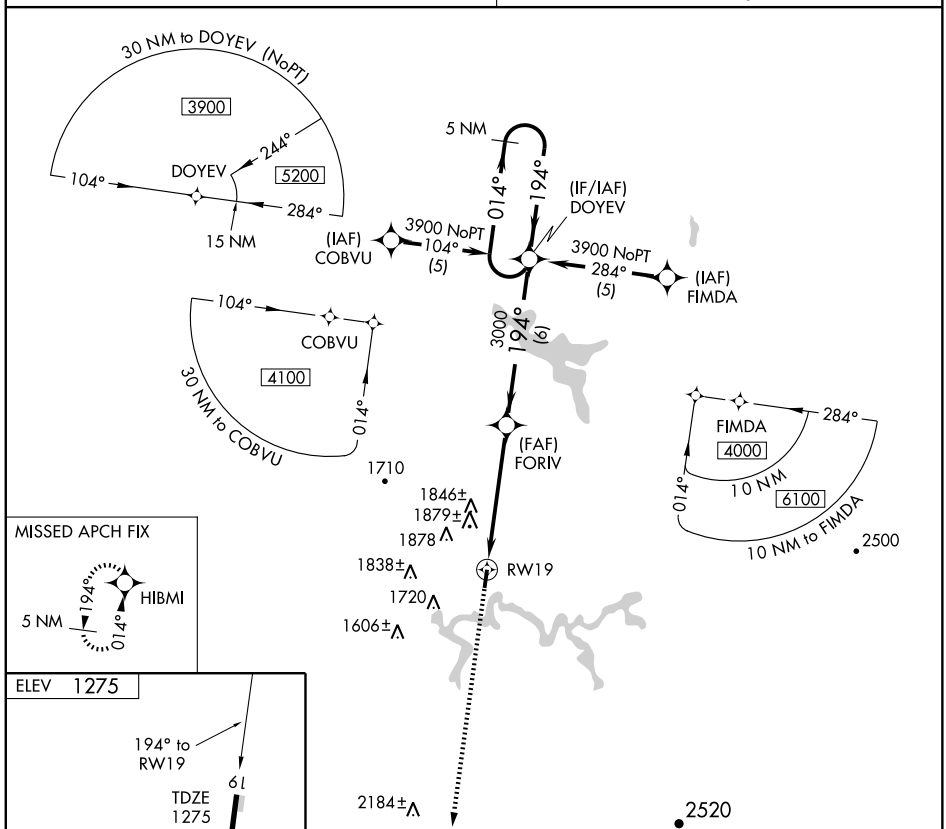
APP CRS	Rwy ldg	3995
194°	TDZE	1275
	Apt Elev	1275

RNAV (GPS) RWY 19
SUTTON / BRAXTON COUNTY (48I)

Procedure NA at night. If local altimeter setting not received, use Clarksburg altimeter setting and increase all MDAs 260 feet. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 4500 direct HIBMI and hold.

CLARKSBURG APP CON ★	CTAF
121.15 269.375	122.9 L



CATEGORY	A	B	C	D
LNAV MDA	2060-1 785 (800-1)	2060-1¼ 785 (800-1¼)	2060-2¼ 785 (800-2¼)	NA
CIRCLING	2060-1 785 (800-1)	2080-1¼ 805 (900-1¼)	2180-2¾ 905 (1000-2¾)	NA

MIRL Rwy 1-19 L
REIL Rwys 1 and 19 L

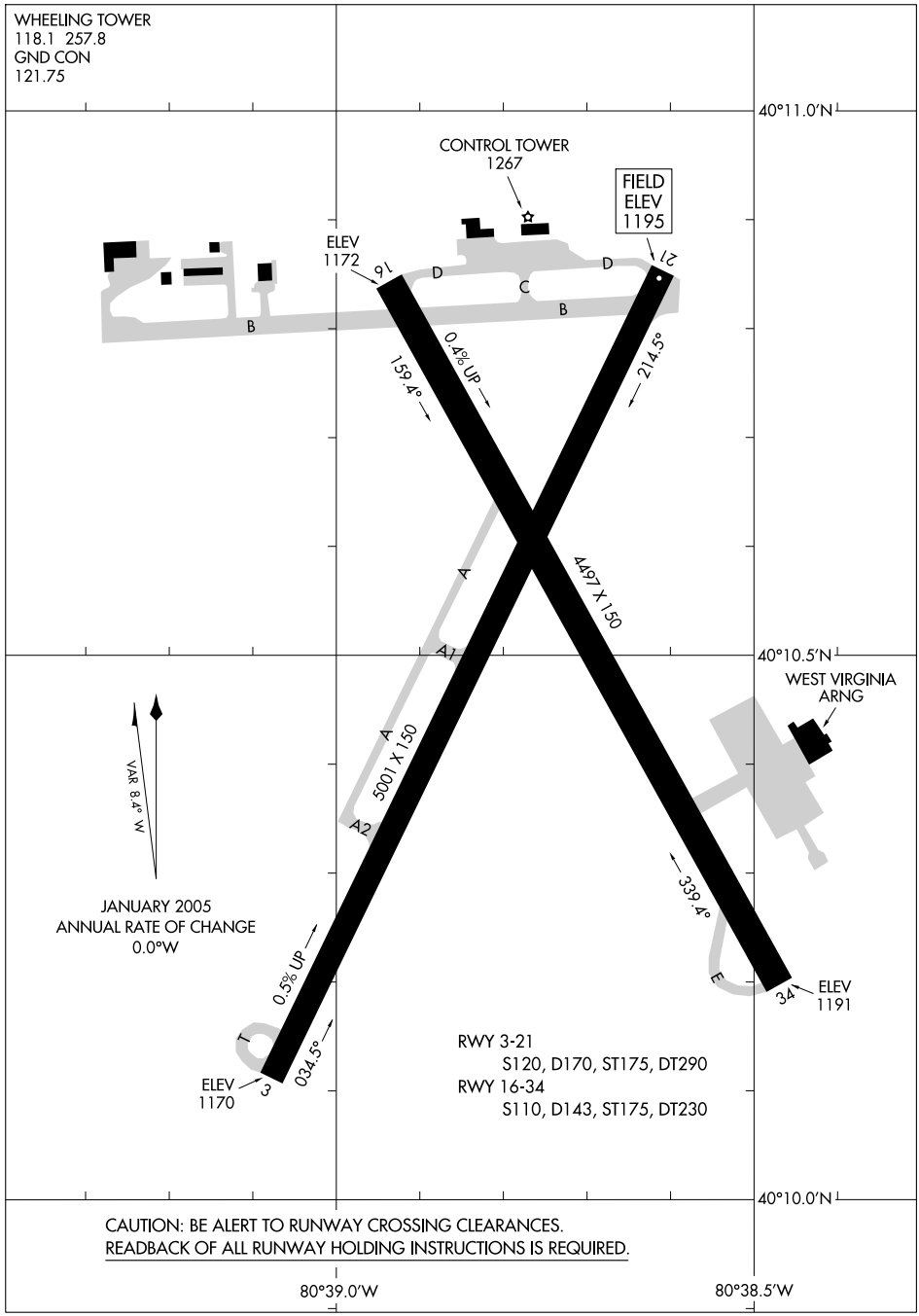
NE-4. 22 OCT 2009 to 19 NOV 2009

06271

AIRPORT DIAGRAM

AL-650 (FAA)

WHEELING OHIO COUNTY (HLG)
WHEELING, WEST VIRGINIA



NE-4, 22 OCT 2009 to 19 NOV 2009

LOC I-HLG	APP CRS	Rwy ldg	5001
109.7	033°	TDZE	1171
		Apt Elev	1195

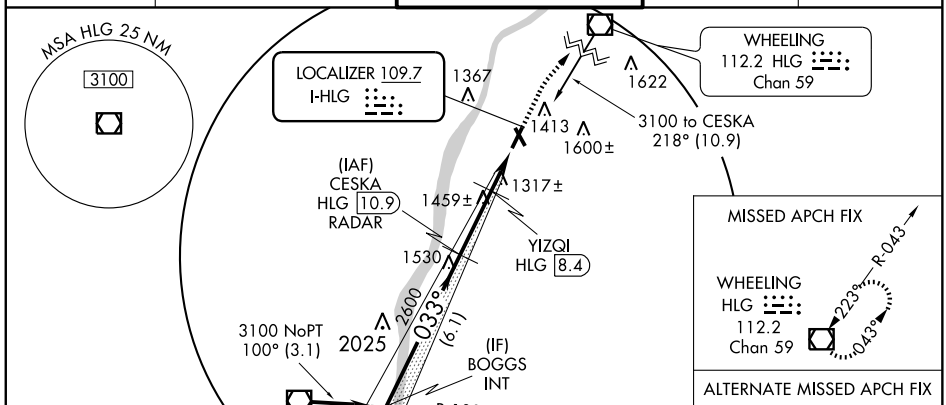
ILS or LOC RWY 3
WHEELING OHIO COUNTY (HLG)

DME or Radar required. Autopilot coupled approach NA below 1401. Inoperative table does not apply to S-LOC 3 Cat C and YIZQI Fix Minimums S-LOC 3 Cat C. When local altimeter setting not received, use Washington, PA altimeter setting and increase all DA/MDA 40 feet and S-LOC 3 Cats C/D and Circling Cats C/D and YIZQI Fix Minimums S-LOC 3 Cat D and Circling Cat D visibilities ¼ mile. Inoperative table does not apply to S-LOC 3 Cat C and YIZQI Fix Minimums S-LOC Cat C when using Washington, PA altimeter setting.

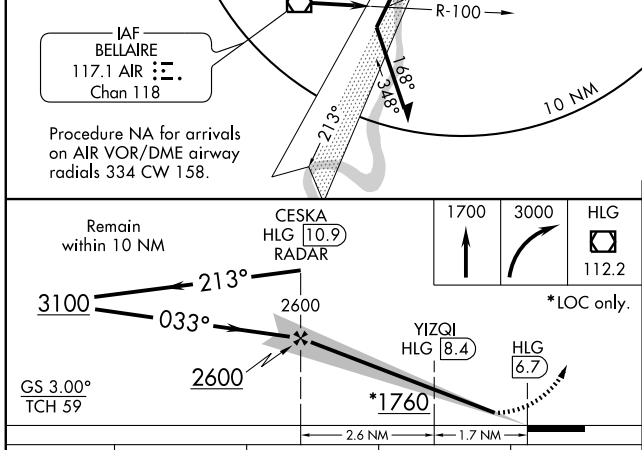
MALSF

MISSED APPROACH: Climb to 1700 then climbing right turn to 3000 direct HLG VOR/DME and hold.

ASOS	PITTSBURGH APP CON	WHEELING TOWER ★	GND CON	UNICOM
127.375	125.275 285.575	118.1 (CTAF) L 257.8	121.75	122.95

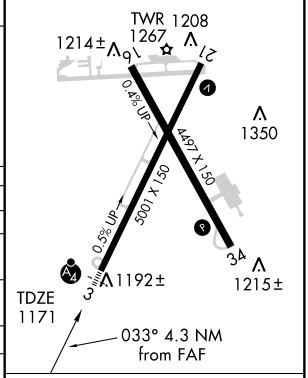


Procedure NA for arrivals on AIR VOR/DME airway radials 334 CW 158.



CATEGORY	A	B	C	D
S-ILS 3	1371-¾ 200 (200-¾)			
S-LOC 3	1760-¾ 589 (600-¾)		1760-1½ 589 (600-1½)	1760-1¾ 589 (600-1¾)
CIRCLING	1760-1 565 (600-1)		1760-1½ 565 (600-1½)	1900-2¼ 705 (800-2¼)
YIZQI FIX MINIMUMS				
S-LOC 3	1580-¾ 409 (400-¾)		1580-1¼ 409 (400-1¼)	
CIRCLING	1720-1 525 (600-1)		1740-1½ 545 (600-1½)	1900-2¼ 705 (800-2¼)

ELEV 1195 HIRL Rwy 3-21 L
MIRL Rwy 16-34 L
REIL Rwys 21 and 34 L

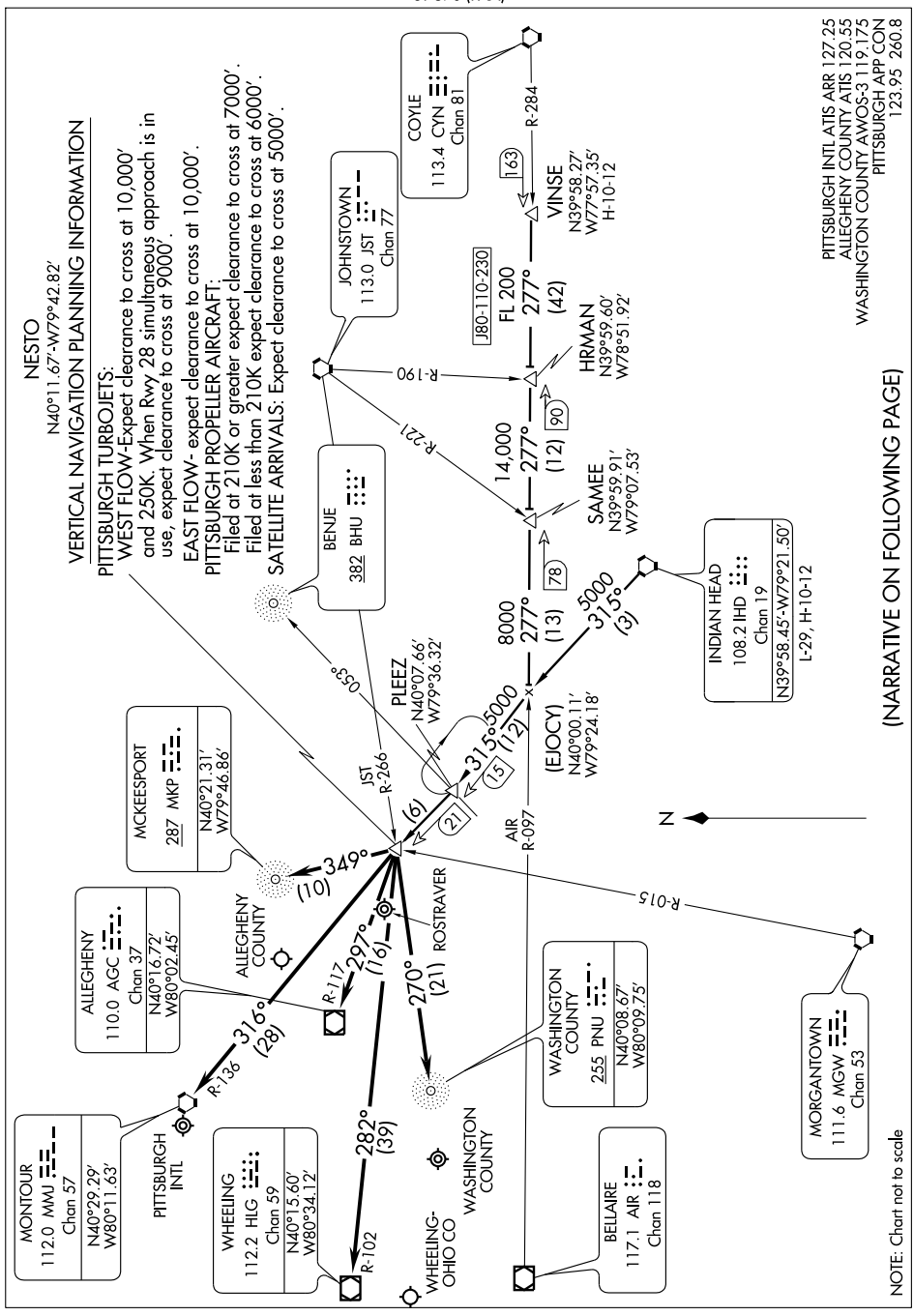


FAF to MAP 4.3 NM					
Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26

NESTO TWO ARRIVAL

ST-570 (FAA)

PITTSBURGH, PENNSYLVANIA



ARRIVAL DESCRIPTION

INDIAN HEAD TRANSITION (IHD.NESTO2): From over IHD VORTAC via IHD R-315 to NESTO INT. Thence....

VINSE TRANSITION (VINSE.NESTO2): From over VINSE INT via AIR R-097 and IHD R-315 to NESTO INT. Thence....

....PIT: From over NESTO INT direct MMJ VORTAC. Expect vectors after NESTO INT.

....AGC WEST FLOW: From over NESTO INT direct MKP NDB, then direct AGC airport.

EAST FLOW: Fromover NESTO INT direct AGC VOR/DME, then direct AGC airport.

....HLG: From over NESTO INT direct HLG VOR/DME, then direct HLG airport.

...AFJ: From over NESTO INT direct PNU NDB, then direct AFJ airport.

WAAS CH 90513 W03A	APP CRS 033°	Rwy ldg 5001 TDZE 1171 Apt Elev 1195

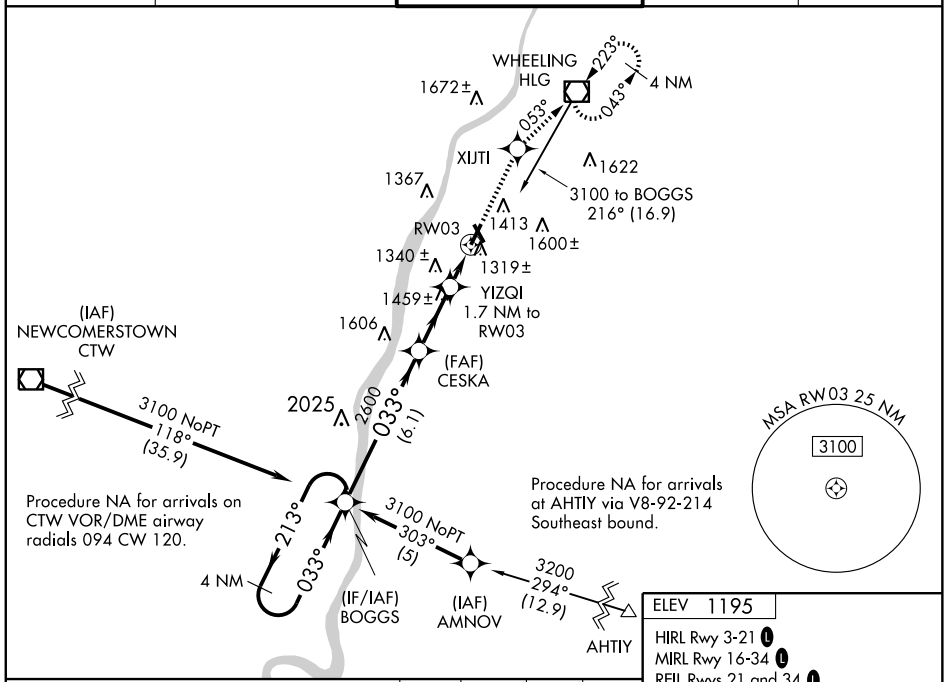
RNAV (GPS) RWY 3
WHEELING OHIO COUNTY (HLG)

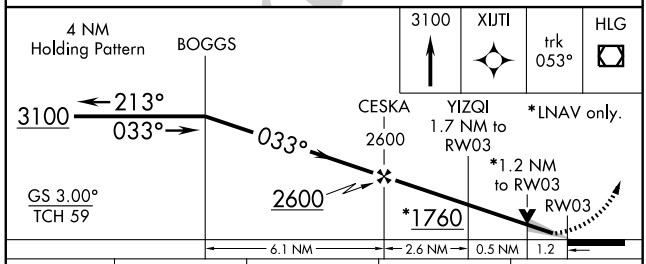
Inoperative table does not apply to LNAV/VNAV all Cats and LNAV Cat C. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Washington, PA altimeter setting and increase all DA/MDA 40 feet and Circling Cat D visibility ¼ mile. Inoperative table does not apply to LNAV/VNAV all Cats and LNAV Cat C when using Washington, PA altimeter setting. VDP and Baro-VNAV NA when using Washington, PA altimeter setting.

MALSF

MISSED APPROACH: Climb to 3100 direct XIJTI and via track 053° to HLG VOR/DME and hold.

ASOS	PITTSBURGH APP CON	WHEELING TOWER ★	GND CON	UNICOM
127.375	125.275 285.575	118.1 (CTAF) L 257.8	121.75	122.95

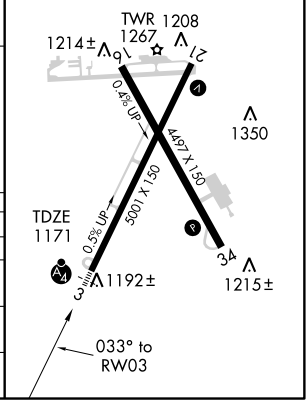




CATEGORY	A	B	C	D
LPV DA	1371-¾ 200 (200-¾)			
LNAV/VNAV DA	1646-1¾ 475 (500-1¾)			
LNAV MDA	1600-¾ 429 (500-¾)		1600-1¼ 429 (500-1¼)	1600-1½ 429 (500-1½)
CIRCLING	1720-1 525 (600-1)		1740-1½ 545 (600-1½)	1900-2¼ 705 (800-2¼)

ELEV 1195

HIRL Rwy 3-21 L
MIRL Rwy 16-34 L
REIL Rwys 21 and 34 L



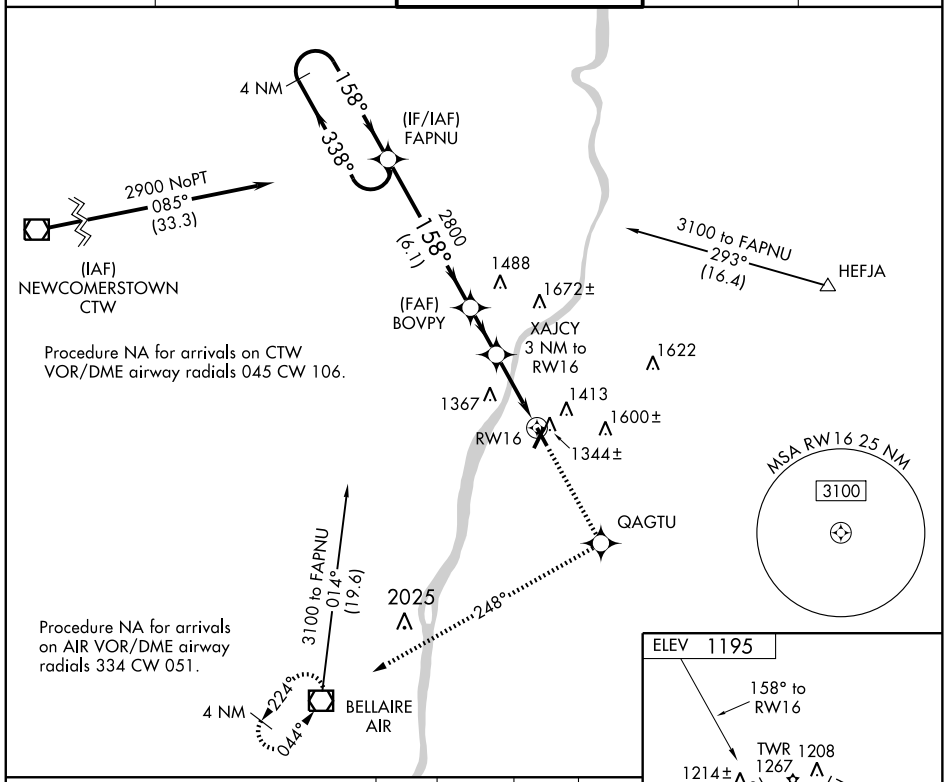
APP CRS	Rwy ldg	4497
158°	TDZE	1178
	Apt Elev	1195

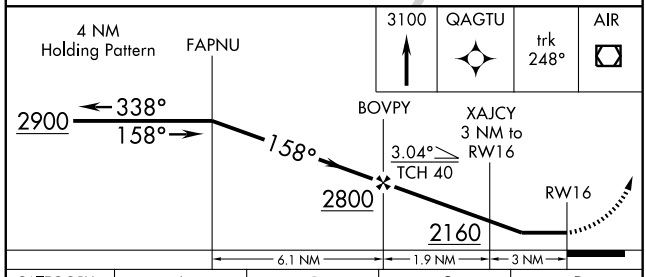
RNAV (GPS) RWY 16
WHEELING OHIO COUNTY (HLG)

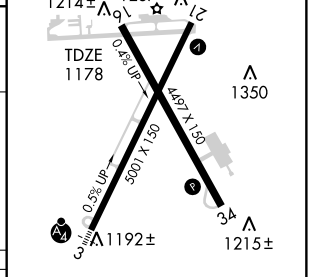
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Straight-in/Circling Rwy 16 procedure NA at night. When local altimeter setting not received, use Washington, PA altimeter setting and increase all MDA 40 feet and LNAV Cat D and Circling Cat D visibilities ¼ mile.

MISSED APPROACH: Climb to 3100 direct QAGTU then via track 248° to AIR VOR/DME and hold.

ASOS	PITTSBURGH APP CON	WHEELING TOWER ★	GND CON	UNICOM
127.375	125.275 285.575	118.1 (CTAF) L 257.8	121.75	122.95







CATEGORY	A	B	C	D
LNAV MDA	1680-1 502 (500-1)		1680-1½ 502 (500-1½)	
CIRCLING	1720-1 525 (600-1)		1740-1½ 545 (600-1½)	1900-2¼ 705 (800-2¼)

HIRL Rwy 3-21 L
MIRL Rwy 16-34 L
REIL Rwys 21 and 34 L

NE-4. 22 OCT 2009 to 19 NOV 2009

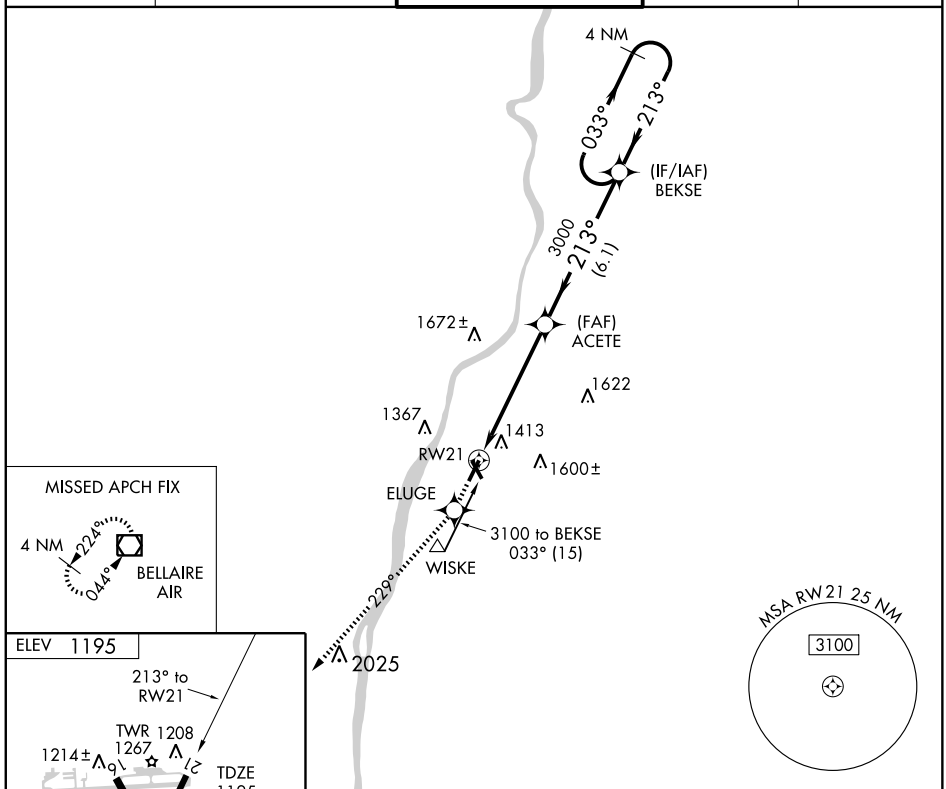
APP CRS	Rwy ldg	5001
213°	TDZE	1195
	Apt Elev	1195

RNAV (GPS) RWY 21
WHEELING OHIO COUNTY (HLG)

DME/DME RNP-0.3 NA. When local altimeter setting not received, use Washington, PA altimeter setting and increase all MDA 40 feet and LNAV Cats C/D and Circling Cat D visibilities ¼ mile.

MISSED APPROACH: Climb to 3100 direct ELUGE and via track 229° to AIR VOR/DME and hold.

ASOS	PITTSBURGH APP CON	WHEELING TOWER ★	GND CON	UNICOM
127.375	125.275 285.575	118.1 (CTAF) L 257.8	121.75	122.95



CATEGORY	A	B	C	D
LNAV MDA	1680-1 485 (500-1)		1680-1¼ 485 (500-1¼)	1680-1½ 485 (500-1½)
CIRCLING	1720-1 525 (600-1)		1740-1½ 545 (600-1½)	1900-2¼ 705 (800-2¼)

HIRL Rwy 3-21 L
MIRL Rwy 16-34 L
REIL Rwys 21 and 34 L

NE-4. 22 OCT 2009 to 19 NOV 2009

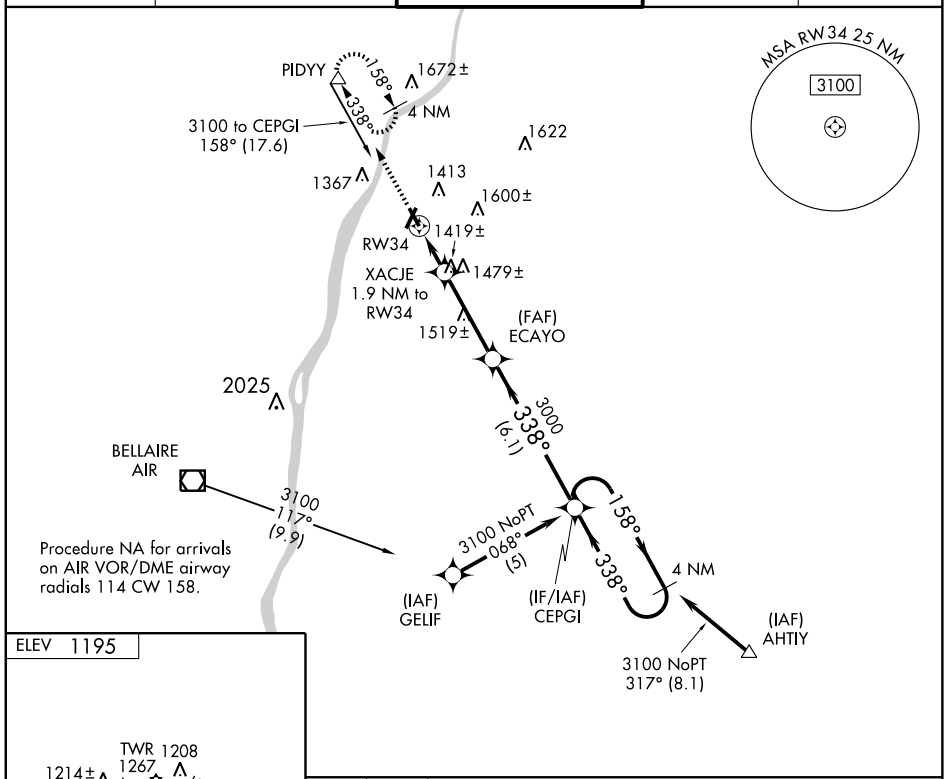
APP CRS	Rwy ldg	4497
338°	TDZE	1191
	Apt Elev	1195

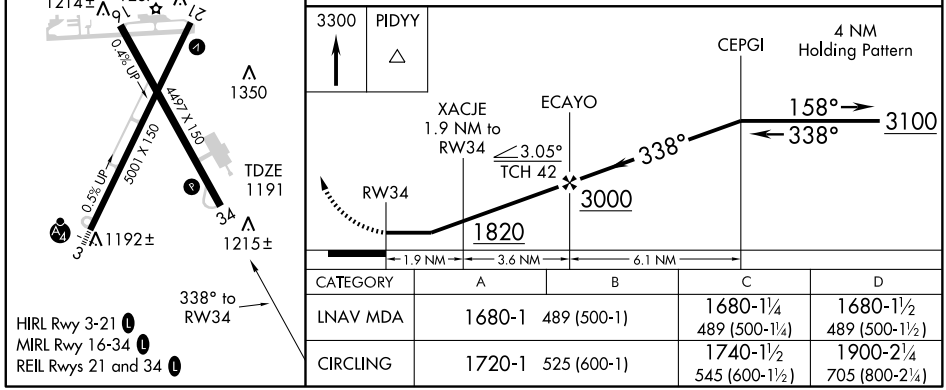
RNAV (GPS) RWY 34
WHEELING OHIO COUNTY (HLG)

When VGSI inop, Straight-in/Circling Rwy 34 procedure NA at night.
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
When local altimeter setting not received, use Washington, PA altimeter setting and increase all MDA 40 feet and LNAV Cats C/D and Circling Cat D visibilities ¼ mile.

MISSED APPROACH: Climb to 3300 direct PIDYY and hold.

ASOS	PITTSBURGH APP CON	WHEELING TOWER ★	GND CON	UNICOM
127.375	125.275 285.575	118.1 (CTAF) L 257.8	121.75	122.95





CATEGORY	A	B	C	D
LNAV MDA	1680-1 489 (500-1)		1680-1¼ 489 (500-1¼)	1680-1½ 489 (500-1½)
CIRCLING	1720-1 525 (600-1)		1740-1½ 545 (600-1½)	1900-2¼ 705 (800-2¼)

NE-4. 22 OCT 2009 to 19 NOV 2009

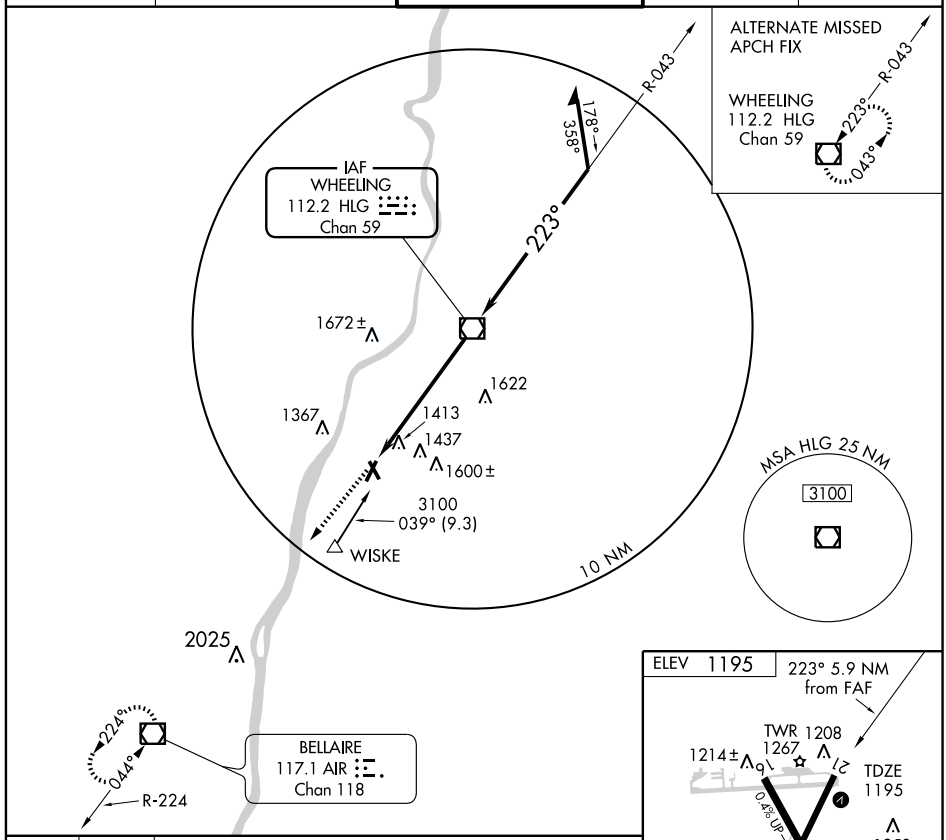
VOR/DME HLG 112.2 Chan 59	APP CRS 223°	Rwy ldg 5001 TDZE 1195 Apt Elev 1195

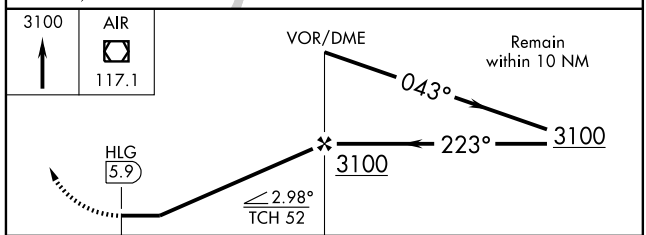
VOR RWY 21
WHEELING OHIO COUNTY (HLG)

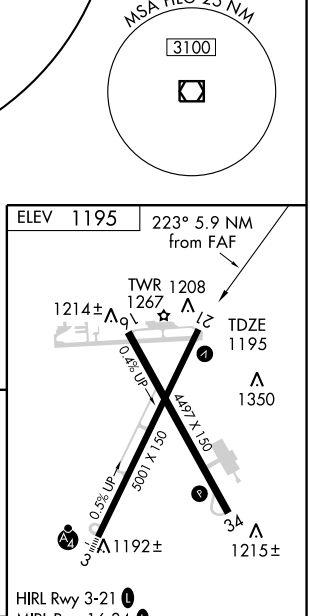
Visibility reduction by helicopters NA.
If local altimeter setting not received, use Washington, PA altimeter setting and increase all MDAs 40 feet.

MISSED APPROACH: Climb to 3100 direct AIR VOR/DME and hold.

ASOS	PITTSBURGH APP CON	WHEELING TOWER ★	GND CON	UNICOM
127.375	125.275 285.575	118.1 (CTAF) L 257.8	121.75	122.95







CATEGORY	A	B	C	D
S-21	1700-1	505 (600-1)	1700-1½	505 (600-1½)
CIRCLING	1720-1	525 (600-1)	1740-1½ 545 (600-1½)	1900-2¼ 705 (800-2¼)

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

NE-4. 22 OCT 2009 to 19 NOV 2009